#### STATE OF UTAH

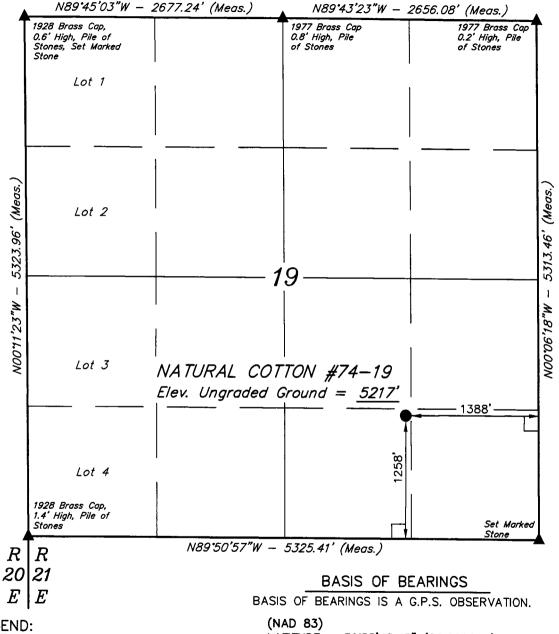
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

<b>FORM</b>	3
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AMENDED REPORT (highlight changes)

	Δ	PPLICAT	ION FOR F	PERMIT TO	DRILL	5. MINERA ML 22	AL LEASE NO:	6. SURFACE:
							AN, ALLOTTEE OR	
1A. TYPE OF WO	RK: DI	KILL <u>W</u>	REENIER [			- 8 LINIT or	CA AGREEMENT I	NAME:
B. TYPE OF WEI	L: OIL	GAS 🗹 C	OTHER	SINC	GLE ZONE 🗹 MULTIPLE ZON		CA AGREEMENT	HAVIL.
2. NAME OF OPE		IC					NAME and NUMBER	
3. ADDRESS OF C					PHONE NUMBER:		AND POOL, OR W	
P.O. BOX 1		CITY VERN	AL STAT	39 300450	078 (435) 789-0790		JRAL BUTT	
	WELL (FOOTAGE:	s) 620	9539 X	39	.929374	11. QTR/C MERIC	OTR, SECTION, TO	WNSHIP, RANGE,
		1388 FEL 39	0.929292 LAT	109.590150	LON S.L.B.&M	SWSE	E 19 108	S 21E S
AT PROPOSED	PRODUCING ZON	$_{IE}$ SAME $^{\mathcal{H}}$	4206611	-10	09. 589 433			
14. DISTANCE IN	MILES AND DIREC	CTION FROM NEAR	REST TOWN OR POS	T OFFICE:		12. COUN	ITY:	13. STATE: UTAH
47.0 MILE	ES SOUTH	OF VERNAL	_, UTAH			UINT	AH	UTAH
15. DISTANCE TO	NEAREST PROP	ERTY OR LEASE LI	NE (FEET)	16. NUMBER OF	FACRES IN LEASE:	17. NUMBER OF	ACRES ASSIGNED	
1258					644			160
	NEAREST WELL R) ON THIS LEASE	(DRILLING, COMPL (FEET)	ETED, OR	19. PROPOSED		20. BOND DESC	RIPTION:	
					4,500	NM 2308		
	(SHOW WHETHE	R DF, RT, GR, ETC.	):	22. APPROXIMA	ATE DATE WORK WILL START:	30 DAYS	DURATION:	
5214 GL				30 DA 13				
24.			PROPOSI	ED CASING AI	ND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE,	GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH	CEMENT TYPE, QU	NTITY, YIELD, ANI	SLURRY WEIGHT	<u> </u>
12-1/4	9-5/8	J-55	36#	500	SEE ATTACHED EIGHT I	OINT PLAN	<u> </u>	
7-7/8	4-1/2	J-55	11.6#	4,500	SEE ATTACHED EIGHT I	OINT PLAN	l	
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		.,,				. •		
	1		,	ΔΤΤΔ	CHMENTS			
25.			DANIOS MATILITUS II					
VERIFY THE FOL	LOMNG ARE AT	ACHED IN ACCOR	DANCE WITH THE U	TAH OIL AND GAS C	ONSERVATION GENERAL RULES:			
WELL PL	AT OR MAP PREP	ARED BY LICENSE	D SURVEYOR OR EN	NGINEER	COMPLETE DRILLING PLAN			
<b>✓</b> EVIDENC	E OF DIVISION OF	F WATER RIGHTS A	APPROVAL FOR USE	OF WATER	FORM 5, IF OPERATOR IS PI	RSON OR COMPA	NY OTHER THAN T	HE LEASE OWNER
		D 0			Dogulatoni Ac	sistant		
NAME (PLEASE	PRINT) Kayler	ne R. Gardne	er		TITLE Regulatory As	sistant		
SIGNATURE	O. Mag	Limer	<u> </u>		DATE 6/22/2006			
(This space for Sta	te use only)							
	-							
	) [	2 1112 20	507x			RECE	IVED	
API NUMBER AS	SIGNED: 4	3-047-38	r332		APPROVAL:			
						ILIN 7	3 2006	

### T10S, R21E, S.L.B.&M.



#### LEGEND:

= 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

LATITUDE = 39.55.45.45" (39.929292)

LONGITUDE =  $109^{\circ}35'24.54''$  (109.590150)

(NAD 27)

LATITUDE = 39.55.45.58" (39.929328)

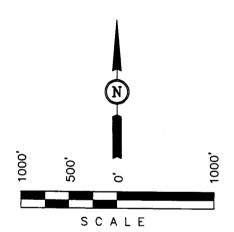
LONGITUDE =  $109^{\circ}35'22.06''$  (109.589461)

#### EOG RESOURCES, INC.

Well location, NATURAL COTTON #74-19, located as shown in the SW 1/4 SE 1/4 of Section 19, T10S, R21E, S.L.B.&M. Uintah County, Utah.

#### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



## CERTIFICATE

THIS IS TO CERTIFY THAT THE ABO FIELD NOTES OF ACTUAL SURVE SUPERVISION AND THAT THE SA BEST OF MY KNOWLEDGE AND

LAND SURVEYING ENGINEERING Untah 85 SOUTH 200 EAST -VERNAL, UTAH 84078 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 09-11-05	DATE DRAWN: 05-31-06
PARTY G.S. C.Z. S.L.	REFERENCES G.L.O. PLA	AT
WEATHER	FILE	
COOL	FOG RESOURCE	FS INC

#### NATURAL COTTON 74-19 SW/SE, SEC. 19, T10S, R21E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	DEPTH (KB)
Uinta FM	18'
Green River FM	1,150'
Mahogany Oil Shale Bed	1,830'
Garden Gulch	1,850'
Middle Carb Bed	2,580'
Douglas Creek MBR	3,050'
Castle Peak MBR	3,900'
Uteland Butte MBR	4,230'

#### EST. TD: 4,500' or 200' ± below Uteland Butte Top Anticipated BHP: 2,225 Psig

1. Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 2,000 ft  $\pm$ .

RATING FACTOR

2. Cement isolation is installed to surface of the well isolating all zones by cement.

## 3. PRESSURE CONTROL EQUIPMENT: Production Hole - 5,000 Psig BOP Schematic Diagram attached.

#### 4. CASING PROGRAM:

							1111	11.10	
	HOLE SIZE	E INTERVAL	SIZE	WEIGHT	<b>GRADE</b>	<b>THREAD</b>	<b>COLLAPS</b>	E/BURST/7	<u>rensile</u>
Surface			9-5/8"	36.0#	J-55	STC	2020 Psi	3520 Psi 3	394,000#
	n: 7-7/8"	500'± − TD	4-1/2"	11.6#	J-55	LTC	4960 Psi	5350 Psi	162,000#
All casing will be new or inspected.									

#### 5. Float Equipment:

#### Surface Hole Procedure $(0 - 500' \pm Below GL)$ :

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1 - 5-10' above shoe, every collar for next 3 joints (4 total).

#### Production Hole Procedure (500' $\pm$ - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface.  $4-\frac{1}{2}$ ", 11.6#, J-55 or equivalent marker collars or short casing joints to be placed 400' above top of Garden Gulch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Garden Gulch top. (15± total). Thread lock float shoe, top and bottom of float collar, and top of  $2^{nd}$  joint.

#### NATURAL COTTON 74-19 SW/SE, SEC. 19, T10S, R21E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 6. MUD PROGRAM:

#### Surface Hole Procedure $(0 - 500' \pm below GL)$ :

Air/air mist or aerated water

#### Production Hole Procedure (500' ± - TD):

Anticipated mud weight 9.0 - 9.5 ppg depending on actual wellbore condition encountered while drilling.

A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

#### 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 2 – Item E: Special Drilling Operations

EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. Due to reduce location excavation, the blooie line will be approximately 75' in length

#### **8. EVALUATION PROGRAM:**

**Logs:** Mud log from base of surface casing to TD.

**Open-hole Logs**: BHC (Schlumberger Borehole Compensated Sonic)

Schlumberger Platform Express consisting: of Open-hole gamma ray, resistively, bulk

density, and neutron porosity

#### NATURAL COTTON 74-19 SW/SE, SEC. 19, T10S, R21E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 9. <u>CEMENT PROGRAM:</u>

#### Surface Hole Procedure (0-500' ± Below GL)

Lead: 275 sks. (100% excess volume) Class 'G' cement with 2% S1 (CaCl2) & 0.25 pps

D29 (cellophane flakes), mixed at 15.8 ppg, 1.16 ft<sup>3</sup>./sk., 4.95 gps water.

**Top Out:** Top out with Class 'G' cement with 2% S1 (CaCl2) in mix water, 15.8 ppg, 1.16

ft<sup>3</sup>./sk., 4.95 gps via 1" tubing set at 25' if needed.

Install 6' x 4' cellar ring, drill rat and mouse holes with spud rig.

Note: <u>Cement volumes will be calculated to bring cement to surface.</u>

#### Production Hole Procedure (500' $\pm$ to TD)

**Lead:** 92 sks: 35:65 Poz "G" w/4% D20 (Bentonite), 2% D174 (Extender), 0.2% D65

(Dispersant), 0.2% D46 (Antifoam), 0.75% D112 (Fluid Loss Additive), 0.200% D13 (Retarder), 0.25 pps D29 (cello flakes) mixed at 13.0 ppg, 1.75 ft<sup>3</sup>/sk., 9.19

gps water.

**Tail:** 610 sks: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13

(Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at

14.1 ppg,  $1.28 \text{ ft}^3/\text{sk.}$ , 5.9 gps water.

**Note**: The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to  $200^{\circ}\pm$  above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to  $400^{\circ}\pm$  above top of Garden Gulch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

#### 10. ABNORMAL CONDITIONS:

#### Surface Hole (Surface - $500'\pm$ ):

Lost circulation

#### Production Hole (500'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Garden Gulch Formation.

#### NATURAL COTTON 74-19 SW/SE, SEC. 19, T10S, R21E, S.L.B.&M. UINTAH COUNTY, UTAH

#### 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

#### 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

(Attachment: BOP Schematic Diagram)



#### NATURAL COTTON 74-19 SW/SE, Section 19, T10S, R21E Uintah County, Utah

#### SURFACE USE PLAN

#### **NOTIFICATION REQUIREMENTS**

Location Construction: Forty-eight (48) hours prior to construction of location and access

roads.

Location Completion: Prior to moving on the drilling rig.

Spud Notice: At least twenty-four (24) hours prior to spudding the well.

Casing String and

Cementing:

Twenty-four (24) hours prior to running casing and cementing

all casing strings.

BOP and related

**Equipment Tests:** 

Twenty-four (24) hours prior to running casing and tests.

First Production Notice: Within five (5) business days after new well begins or production

resumes after well has been off production for more than ninety (90)

days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

The well pad is approximately 325 feet long with a 246-foot width, containing 1.84 acres more or less. The well access road is approximately 2112 feet long with a 30-foot right-of-way, disturbing approximately 1.45 acres. New surface disturbance associated with access road and the well pad is estimated to be approximately 3.30 acres. The pipeline is approximately 2906 feet long with a 40-foot right-of-way, disturbing approximately 2.67 acres.

#### 1. EXISTING ROADS:

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 47.0 miles south of Vernal, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

#### 2. PLANNED ACCESS ROAD:

- A. The access road will be approximately 2112' in length.
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade of the new access road will be 8 percent.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined – flagged at time of location staking.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation or debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 30 foot right-of-way will not be allowed. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

#### 3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:

- A. Abandoned Wells 4\*
- B. Producing Wells 4\*
- C. Shut-in Wells 1\*

(See attached TOPO map "C" for the location of wells within a one-mile radius.)

#### 4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

#### A. On Well Pad

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400 BBL or one (1) 300 bbl vertical tanks and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.

#### B. Off Well Pad

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. The length of the new proposed pipeline is 2906' x 40', tieing into an existing pipeline in the SENW of Section 19, T10S, R21E. Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lok, electric weld with a 35 mil X-Tru coating.
- 3. Proposed pipeline will be a 4" OD steel, welded line laid on the surface
- 4. Protective measures and devices for livestock and wildlife will be taken and /or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All existing facilities will be painted with Carlsbad Canyon.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

#### 5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/ or Target Trucking Inc.'s water source in the SW/SW. Sec 35, T9S, R22E Uintah County, Utah (State Water Right # 49-1501. Water will be hauled by a licensed trucking company.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

#### 6. Source of Construction Materials:

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

#### 7. METHODS OF HANDLING WASTE DISPOSAL:

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or by removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with felt and a 12 millimeter plastic liner.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

#### 8. ANCILLARY FACILITIES:

None anticipated.

#### 9. WELL SITE LAYOUT:

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the Southeast corner of the location. The flare pit will be located downwind of the prevailing wind direction on the west side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled pit topsoil will be stored separate from the location topsoil South of Corner #5. The stockpiled location topsoil will be stored between Corners #8 and #2. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpiller tractor.

Access to the well pad will be from the South.

#### **FENCING REQUIREMENTS:**

All pits will be fenced according to the following minimum standards:

A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)

- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

#### 10. PLANS FOR RECLAMATION OF THE SURFACE:

#### A. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

#### B. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

#### 11. SURFACE OWNERSHIP:

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

State of Utah

#### 12. OTHER INFORMATION:

- A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:
  - Whether the materials appear eligible for the National Register of Historic Places;
  - The mitigation measures the operator will likely have to undertake before the site can be used.
  - A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.

- C. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.
- D. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources and paleontology survey will be conducted and submitted by Montgomery Archaeological Consultants.

#### LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:

#### **PERMITTING AGENT**

Kaylene R. Gardner EOG Resources, Inc. P.O. Box 1815 Vernal, Ut 84078 (435) 781-9111

#### **DRILLING OPERATIONS**

Donald Presenkowski EOG Resources, Inc. P.O. Box 250 Big Piney, WY 83113 307-276-4865

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Natural Cotton 74-19 Well, located in the SWSE, of Section 19, T10S, R21E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

June 21, 2006

Date

lene R. Gardner Regulatory Assistant

# **EOG RESOURCES, INC.**NATURAL COTTON #74-19

LOCATED IN UINTAH COUNTY, UTAH **SECTION 19, T10S, R21E, S.L.B.&M.** 

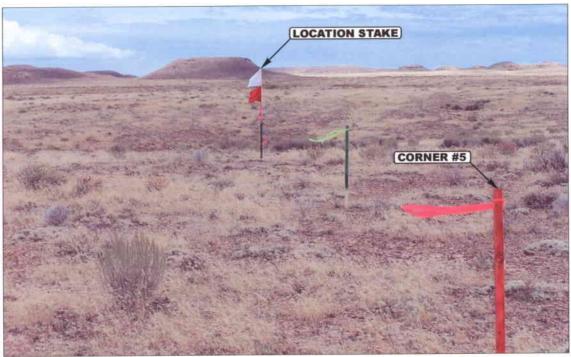


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: EASTERLY** 

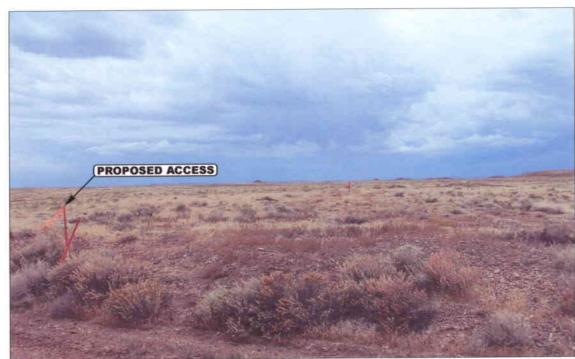


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

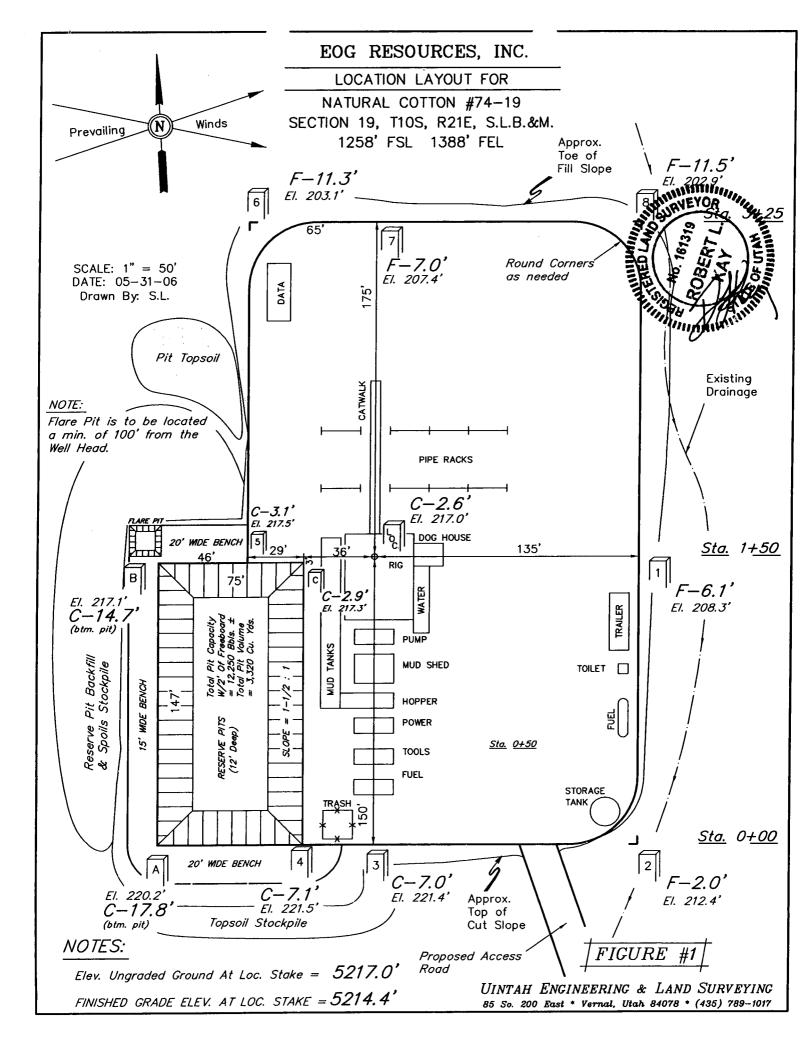
CAMERA ANGLE: SOUTHWESTERLY

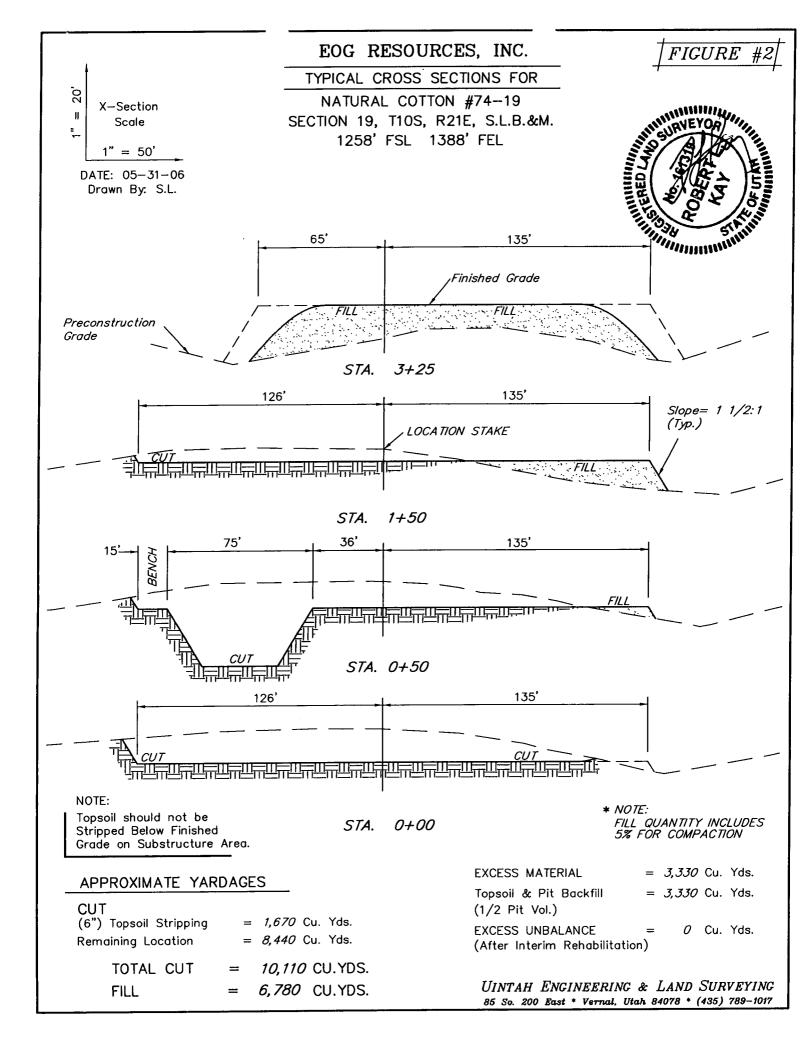
PHOTO

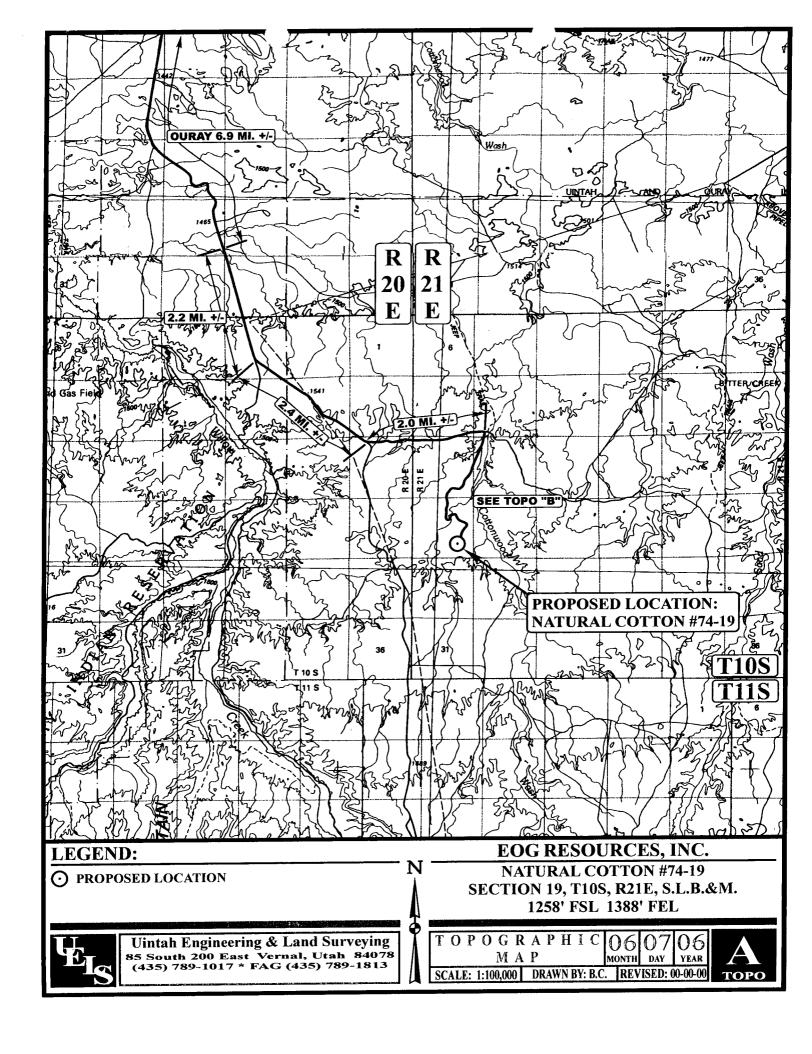


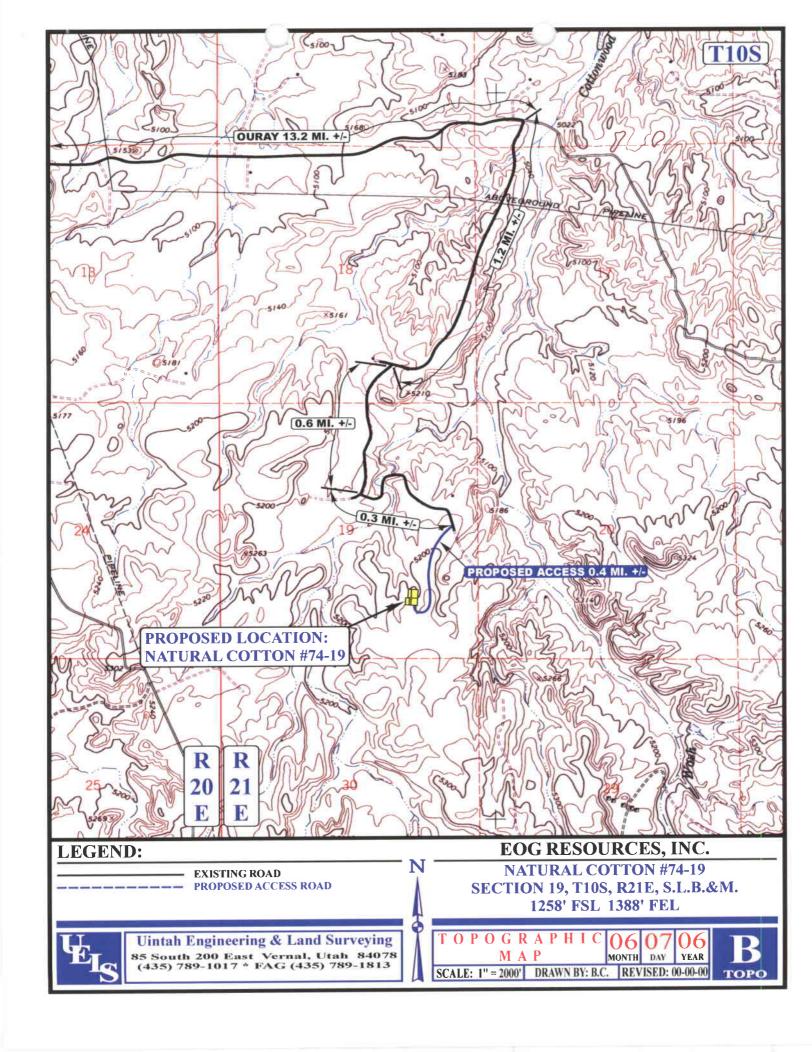
LOCATION	PHOTOS	(	)6 onth	07 DAY
PALICEN DV. CC	DDAWN DV. D	,	DEV	ICED. (

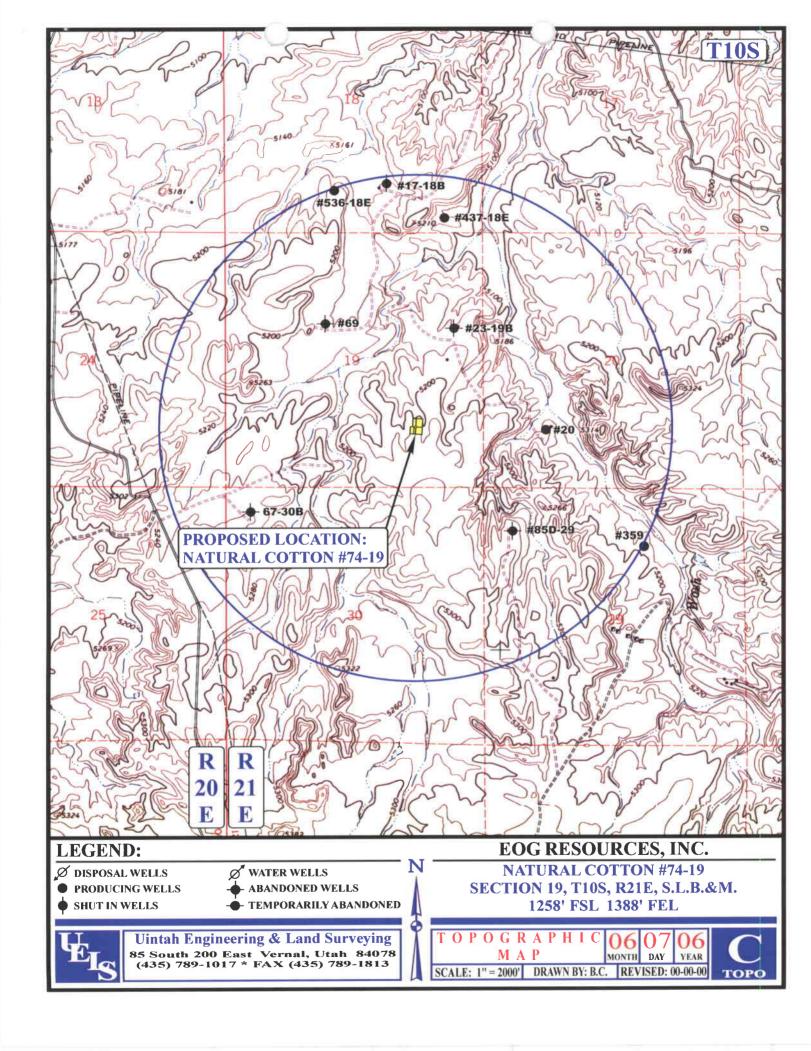
YEAR TAKEN BY: G.S. DRAWN BY: B.C. REVISED: 00-00-00

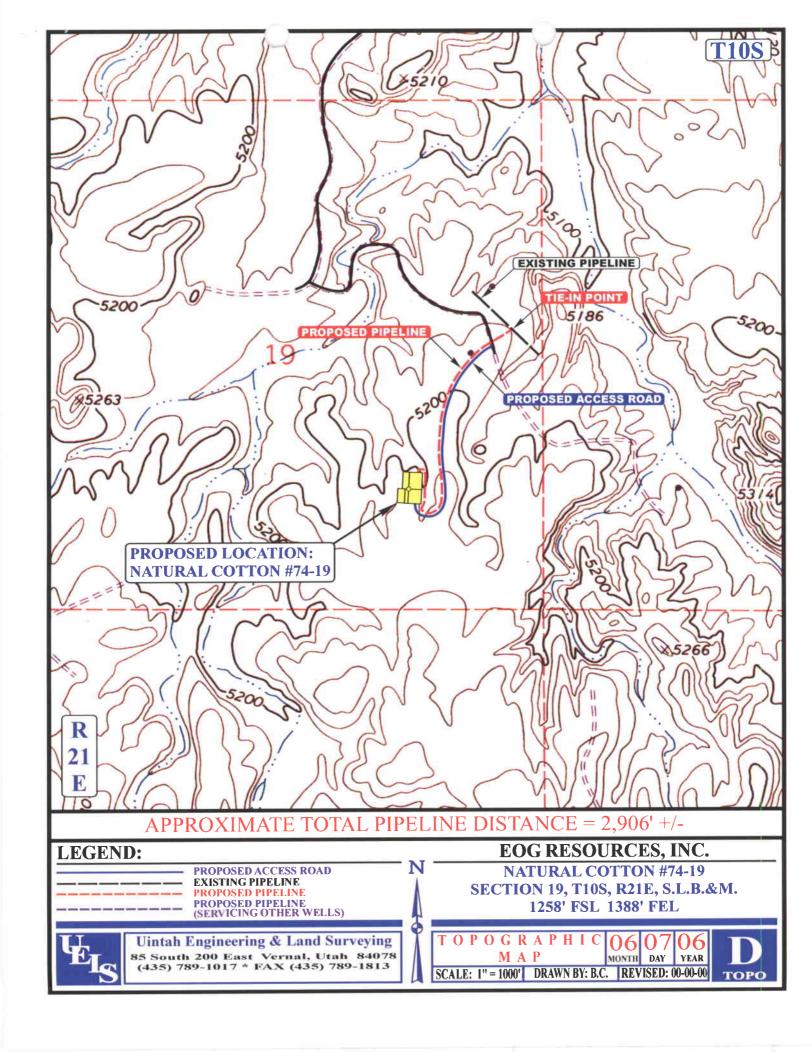






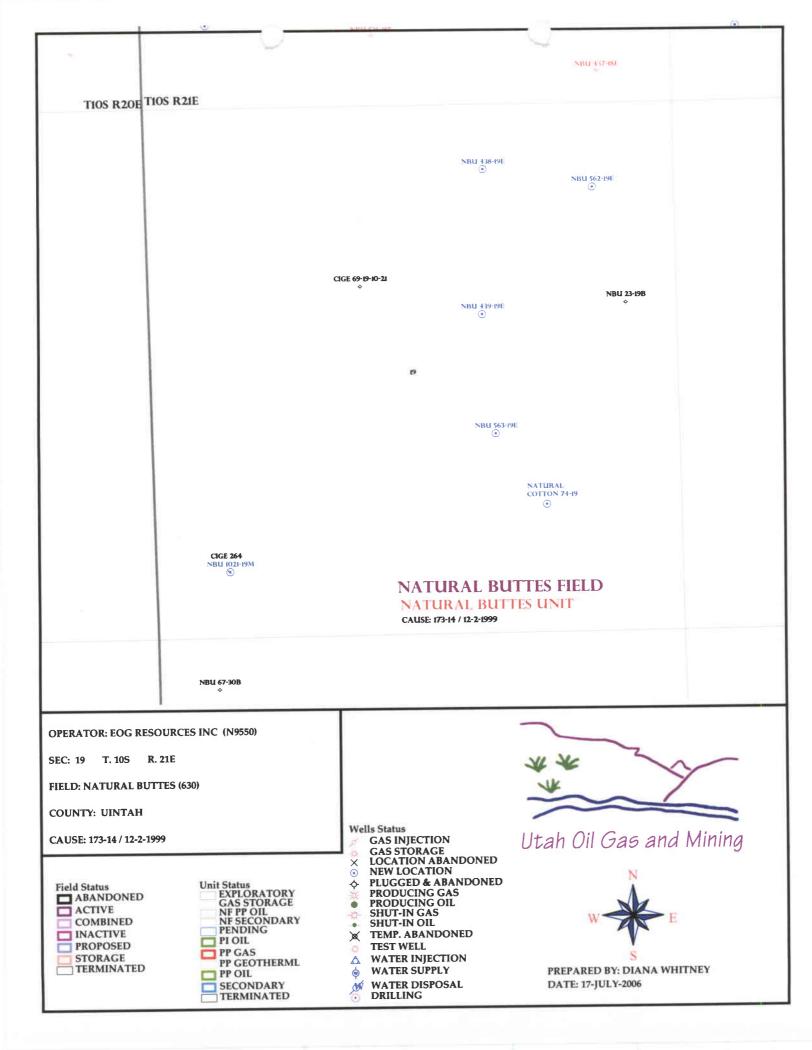






### WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/23/2006		API NO. ASSIG	NED: 43-04	7-38332
WELL NAME: NATURAL COTTON 74-19				
OPERATOR: EOG RESOURCES INC ( N9550 )		PHONE NUMBER:	435-789-079	90
CONTACT: KAYLENE GARDNER				
PROPOSED LOCATION:		INSPECT LOCATN	BY: /	/
SWSE 19 100S 210E		Tech Review	Initials	Date
SURFACE: 1258 FSL 1388 FEL BOTTOM: 1258 FSL 1388 FEL		Engineering	DICO	8/22/06
COUNTY: UINTAH		Geology		
LATITUDE: 39.92937 LONGITUDE: -109.5894	.61	Surface		
UTM SURF EASTINGS: 620535 NORTHINGS: 44206 FIELD NAME: NATURAL BUTTES (630			<u> </u>	
LEASE TYPE: 3 - State  LEASE NUMBER: ML 22792  SURFACE OWNER: 3 - State  RECEIVED AND/OR REVIEWED:	LOCATI	PROPOSED FORMAT COALBED METHANI		LPK
Plat		649-2-3.	a PA	
Bond: Fed[] Ind[] Sta[] Fee[] (No. 6196017 )	Unit:_	NATURAL BUTTES	Maria	
Potash (Y/N)	R	649-3-2. Gener	al	
√ Oil Shale 190-5 (B) or 190-3 or 190-13	S	iting: 460 From Q	tr/Qtr & 920'	Between Wells
Water Permit	R	649-3-3. Excep	tion	
(No. 49-1501 )	✓ D	rilling Unit		
<u>j√</u> RDCC Review (Y/N) (Date: )		Board Cause No:		14
N Fee Surf Agreement (Y/N)		Eff Date:	17.8	49
		Siting: 400 fy	Wours,	weignin 17
MA Intent to Commingle (Y/N)	R	649-3-11. Dire	ctional Dri	111
comments: Needs Prest (07-	17-26)			
STIPULATIONS: 1- STATEMENT 2- OIL SAME	T OF	BASIS		



### DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	EOG RESOURCES INC.
WELL NAME & NUMBER:	Natural Cotton 74-19
API NUMBER:	43-047-38332
<b>LOCATION</b> : 1/4,1/4 <u>SW/SE</u> Sec: 19	<u>P</u> TWP:10S RNG:21E 1258 FSL 1388 FEL
Geology/Ground Water:	
water is estimated at 4,500 feet. A s 10,000 foot radius of the proposed lo The Uinta Formation is made up of o produce prolific aquifers. The proposurface aquifers.	Sace casing cemented to the surface. The base of the moderately saline search of Division of Water Rights records shows no water wells within a ocation. The surface formation at this location is the Uinta Formation. discontinuous sands interbedded with shales and are not expected to esed casing and cementing program should adequately protect any near Hill Date: 07/31/2006
Surface:	
The pre-drill investigation of the surf Williams (UDWR) were invited to the Sere represented EOG.	face was performed on July 17, 2006. Jim Davis (SITLA) and Ben his investigation on 07/12/2006. Both were present. Ed Trotter and Terry
antelope forage in the area is not limi	fied as critical yearlong habitat for antelope by the UDWR. However ited and the drilling and operation of this well should not have a significant dlife species are expected to be affected.
on the end of an undulating knoll, whe stabilization problems are expected.	oderately steep, rolling hills with shallow swales. The location is planned nich runs to the north. Deeper swales exist to the east and west. No 0.4 miles of new access road will be constructed  In the immediate area for a location and well.
Reviewer: Floyd Ba	rtlett Date: 07/20/2006

### **Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12mils shall be properly installed and maintained in the reserve pit.

## ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

**OPERATOR:** EOG RESOURCES INC.

WELL NAME & NUMBER: Natural Cotton 74-19

**API NUMBER:** 43-047-38332

LEASE: ML-22792 FIELD/UNIT: NATURAL BUTTES UNIT

LOCATION: 1/4,1/4 SW/SE Sec: 19 TWP: 10S RNG: 21E 1258 FSL 1388 FEL

LEGAL WELL SITING: 460' from unit boundary and uncommitted tracts.

GPS COORD (UTM): X =620534; Y =4420659 SURFACE OWNER: STATE OF UTAH (SITLA)

#### **PARTICIPANTS**

FLOYD BARTLETT (DOGM), ED TROTTER (EOG). Terry Sere (EOG), Jim Davis (SITLA), Ben Williams, (UDWR)

#### REGIONAL/LOCAL SETTING & TOPOGRAPHY

General area is Cottonwood Wash Drainage. It is characterized by rolling hills, which are frequently divided by somewhat gentle draws, which flow into Cottonwood Wash. Cottonwood Wash is an ephemeral drainage, which drains northerly approximately 8 miles to the White River. The draws are sometimes rimed with steep side hills, which have exposed sand stone bedrock cliffs along the rims.

This location is approximately 13 miles southeast of Ouray, Ut. and is accessed by the Seep Ridge Road to the Uintah County Cottonwood road then east along this road to immediately west of Cottonwood drainage, then south 3.1 miles to where a new road will be constructed 0.4 miles to the southwest.

The proposed site is in an area of moderately steep, rolling hills with shallow swales. The location is planned on the end of an undulating knoll, which runs to the north. Deeper swales exist to the east and west. No stabilization problems are expected.

#### SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: Construction of a well pad 325' by 200' plus a reserve pit 147' by 50' by 12 feet deep. Topsoil and reserve pit stockpiles are outside of the disturbed area. Access road consists of construction of 0.4 miles of new road.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: <u>Numerous wells are</u> within a 1 mile radius. See TOPO C in APD.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. Pipeline is 2906 feet in length and will be laid on the surface following the access road to a tie-in point.

SOURCE OF CONSTRUCTION MATERIAL: All construction materials will come from the location.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST CONCERNS? (EXPLAIN). Unlikely, as there are numerous other existing wells in the surrounding area.

#### WASTE MANAGEMENT PLAN:

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved land fill

#### ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: The location is a sparsely vegetated desert shrub type. Common plants are shadscale, halogeton, cheatgrass, horsebrush and prickly pear. Common fauna is pronghorn, coyotes, songbirds, raptors, rodents, and rabbits.

SOIL TYPE AND CHARACTERISTICS: Shallow light brown gravely sandy loam.

EROSION/SEDIMENTATION/STABILITY: Very little natural erosion. Sedimentation and stability are not a problem and location construction shouldn't cause an increase in stability or erosion problems.

PALEONTOLOGICAL POTENTIAL: Survey completed by IPC on 6-30-06

#### RESERVE PIT

CHARACTERISTICS: 147' by 75' and 12' deep within an area of cut on the south west side of the location.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 mil liner will be required for reserve pit. Score of 25, Sensitivity Level II.

#### SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: Completed by MOAC 06-29-06. Copy furnished to SILA.

#### OTHER OBSERVATIONS/COMMENTS

Ben Williams representing the Utah Division of Wildlife Resources stated the area is classified as critical yearlong habitat for antelope.

Antelope forage in the area is not limited and the drilling and operation of this well should not have a significant impact on this species. No other wildlife species are expected to be affected.

#### ATTACHMENTS

Photos of this site were taken and placed on file.

Floyd Bartlett
DOGM REPRESENTATIVE

07-17-2006 4:30 PM
DATE/TIME

#### L .uation Ranking Criteria and Ranking . .re For Reserve and Onsite Pit Liner Requirements

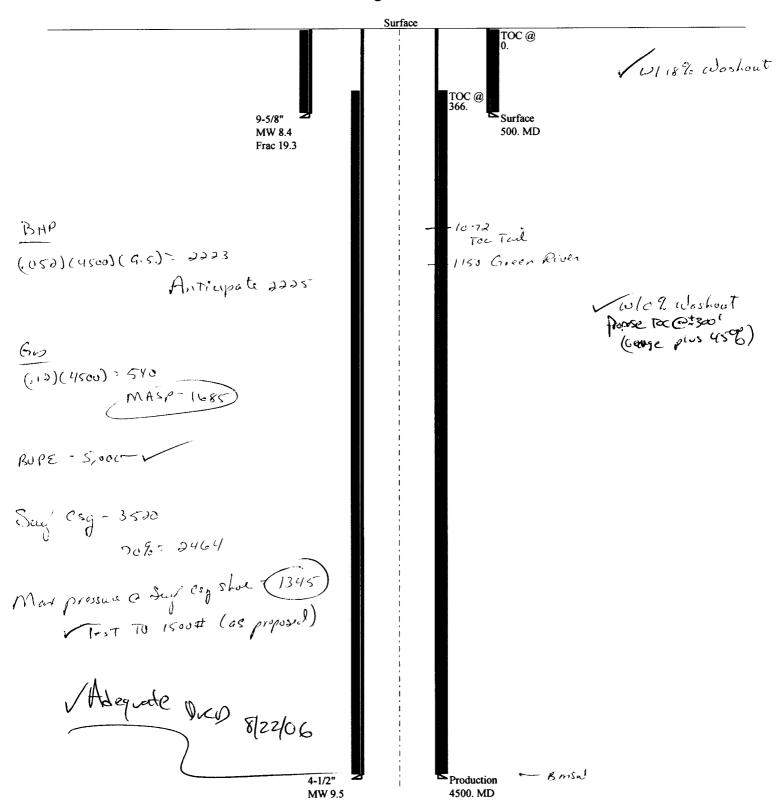
For Reserve and	Olisice Fic biner	reduttements.
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet) >200 100 to 200 75 to 100 25 to 75 <25 or recharge area	0 5 10 15 20	0
Distance to Surf. Water (feet) >1000 300 to 1000	0 2	
200 to 300 100 to 200 < 100	10 15 20	0
Distance to Nearest Municipal Well (feet) >5280 1320 to 5280	0 5	
500 to 1320 <500	10 20	0
Distance to Other Wells (feet) >1320 300 to 1320 <300	0 10 20	10
Native Soil Type  Low permeability  Mod. permeability  High permeability	0 10 20	10
Fluid Type Air/mist Fresh Water TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid	0 5 10 15	
containing significant levels of hazardous constituents	20	5
Drill Cuttings Normal Rock Salt or detrimental	0 10	0
Annual Precipitation (inches) <10 10 to 20 >20	0 5 10	0
Affected Populations <10 10 to 30 30 to 50 >50	0 6 8 10	0
Presence of Nearby Utility Conduits Not Present	0 10	
Unknown Present	15	0

Final Score 25 (Level II Sensitivity)

Sensitivity Level I = 20 or more; total containment is required. Sensitivity Level II = 15-19; lining is discretionary. Sensitivity Level III = below 15; no specific lining is required.

### 08-06 EOG Natural Cotton . 4-19

**Casing Schematic** 



08-06 EOG Natural Cotton 74-19 Well name:

**EOG Resources Inc.** Operator:

Surface String type:

Project ID:

**Uintah County** Location:

43-047-38332

Design parameters: Collapse

8.400 ppg Mud weight: Design is based on evacuated pipe.

Minimum design factors: **Environment:** Collapse:

**Design factor** 1.125 H2S considered? Surface temperature:

No 75 °F Bottom hole temperature: 82 °F Temperature gradient: 1.40 °F/100ft

Minimum section length: 290 ft

**Burst:** 

Design factor

1.00

Cement top:

Surface

**Burst** 

Max anticipated surface

pressure: 440 psi Internal gradient: 0.120 psi/ft

Calculated BHP 500 psi

No backup mud specified.

**Tension:** 

500

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) 1.60 (J) **Buttress:** Premium: 1.50 (J)

1.50 (B) Body yield:

Tension is based on buoyed weight. 438 ft Neutral point:

Non-directional string.

Re subsequent strings:

Next setting depth: 4,500 ft Next mud weight: 9.500 ppg Next setting BHP: 2,221 psi

19.250 ppg Fracture mud wt: Fracture depth: 500 ft Injection pressure 500 psi

394

25.01 J

True Vert Drift End Measured Internal Run **Nominal** Segment Weight **Finish** Depth Depth Diameter Capacity Seq Length Size Grade (lbs/ft) (ft³) (ft) (in) (ft) (ft) (in) ST&C 500 8.796 35.6 1 500 9.625 36.00 J-55 500 Collapse Run Collapse Collapse **Burst Burst Burst Tension** Tension **Tension** Strength Design Load Strenath Design Load Strenath Design Seq Load (psi) **Factor Factor** (Kips) (Kips) **Factor** (psi) (psi) (psi)

3520

7.04

16

Prepared Clinton Dworshak Utah Div. of Oil & Mining

2020

9.262

Phone: 801-538-5280 FAX: 801-359-3940

Date: August 10,2006 Salt Lake City, Utah

Remarks:

1

218

Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

08-06 EOG Natural Cotton 74-19 Well name:

**EOG Resources Inc.** Operator:

**Production** Project ID: String type: 43-047-38332

**Uintah County** Location:

**Design parameters:** 

**Collapse** Mud weight: 9.500 ppg Design is based on evacuated pipe.

Minimum design factors: Collapse:

1.125 Design factor

**Environment:** H2S considered?

No Surface temperature: 75 °F 138 °F Bottom hole temperature: 1.40 °F/100ft Temperature gradient:

Minimum section length: 1,500 ft

**Burst:** 

Design factor

1.00

1.80 (J)

1.80 (J)

1.60 (J)

1.50 (J)

Cement top:

Non-directional string.

366 ft

**Burst** 

Max anticipated surface

662 psi pressure: 0.346 psi/ft Internal gradient: Calculated BHP

No backup mud specified.

**Tension:** 8 Round STC: 2,221 psi 8 Round LTC:

**Buttress:** 

Premium: Body yield:

1.50 (B)

Tension is based on buoyed weight. 3,861 ft Neutral point:

Run Seq	Segment Length (ft) 4500	<b>Size</b> (in) 4.5	Nominal Weight (Ibs/ft) 11.60	<b>Grade</b> J-55	End Finish LT&C	True Vert Depth (ft) 4500	Measured Depth (ft) 4500	Drift Diameter (in) 3.875	Internal Capacity (ft³) 104.3
Run Seq	Collapse Load (psi) 2221	Collapse Strength (psi) 4960	Collapse Design Factor 2.234	Burst Load (psi) 2221	Burst Strength (psi) 5350	Burst Design Factor 2.41	Tension Load (Kips) 45	Tension Strength (Kips) 162	Tension Design Factor 3.62 J

Prepared Clinton Dworshak Utah Div. of Oil & Mining

Phone: 801-538-5280 FAX: 801-359-3940

Date: August 10,2006 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 4500 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



#### State of Utah

#### Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

August 22, 2006

EOG Resources, Inc P O Box 1815 Vernal, UT 84078

Re:

Natural Cotton 74-19 Well, 1258' FSL, 1388' FEL, SW SE, Sec. 19,

T. 10 South, R. 21 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38332.

Sincerely,

Gil Hunt

Associate Director

SINFLI

pab Enclosures

cc:

**Uintah County Assessor** 

**SITLA** 

Bureau of Land Management, Vernal District Office

Operator:	EOG Resources, Inc	
Well Name & Number	Natural Cotton 74-19	
API Number:	43-047-38332	
Lease:	ML-22792	and the second s

Location: SW SE Sec. 19 T. 10 South R. 21 East

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 43-047-38332 August 22, 2006

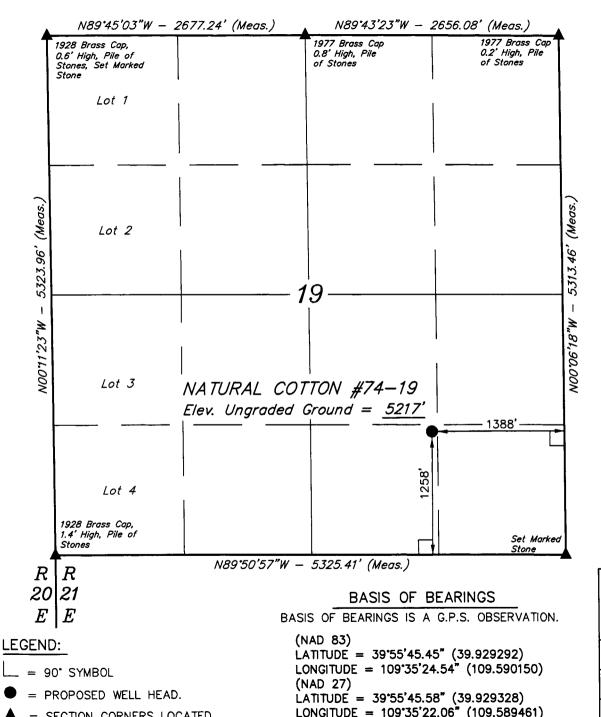
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

AMENDED REPORT	
(highlight changes)	

	APP	5. MINERAL LEASE NO: ML 22792	6. SURFACE: State				
1A. TYPE OF WO	rk: DRILL	✓ REENTER	☐ DEEPEN		7. IF INDIAN, ALLOTTEE O	R TRIBE NAME:	
B. TYPE OF WE	LL: OIL GA	B. UNIT OF CA AGREEMEN	8. UNIT or CA AGREEMENT NAME:				
2. NAME OF OPE		9. WELL NAME and NUMB	9. WELL NAME and NUMBER: NATURAL COTTON 74-19				
3. ADDRESS OF	OPERATOR:	10. FIELD AND POOL, OR	10. FIELD AND POOL, OR WILDCAT:				
P.O. BOX 1	WELL (FOOTAGES)		NATURAL BUTTES  11. QTR/QTR, SECTION, TOWNSHIP, RANGE,				
P.O. BOX 1815 VERNAL STATE UT 219 84078 (435) 789-0790 NATURAL BUTTES  4. LOCATION OF WELL (FOOTAGES) 20 536 X 39.929324 11. OTR/OTR, SECTION, TOWNSHIP, RANGE. MERIDIAN:  AT SURFACE: 1258 FSL 1388 FEL 39.929292 LAT 109.590150 LON S.L.B.&M SWSE 19 10S 21E S							
AT PROPOSED PRODUCING ZONE: SAME 4420661 \ -109. 689 433							
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:  12. COUNTY:  13. STATE:  UTAI							
	ONEAREST PROPERTY	VERNAL, UTAH	16 NUMBER O	F ACRES IN LEASE:	UINTAH  17. NUMBER OF ACRES ASSIGNI	ED TO THIS WELL:	
1258	NEAREST PROPERTY	OR LEASE LINE (FEET)	10. NOWBER O	644	17. NOWIDER OF ACREO ASSISTA	160	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)			19. PROPOSEI		20. BOND DESCRIPTION:		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):			22 ADDROYIM	4,500	NM 2308	NM 2308  B. ESTIMATED DURATION:	
5214 GL			ZZ. AFFROAIN	ATE BATE WORK WILE START.	30 DAYS		
24. PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE CASING SIZE, GRADE, AND WEIGHT PER FOOT SETTING DEPTH CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT							
12-1/4 9-5/8 J-55 36#					ATTACHED EIGHT POINT PLAN		
7-7/8	4-1/2 J-55 11.6# 4,500 SEE ATTACHED EIGHT POINT PLAN				POINT PLAN		
	···						
						<u> </u>	
25. ATTACHMENTS							
VERIFY THE FOL	LOWING ARE ATTACHE	D IN ACCORDANCE WITH TH	HE UTAH OIL AND GAS C	CONSERVATION GENERAL RULES:			
✓ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER ✓ COMPLETE DRILLING PLAN							
EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER				FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER			
	Kaylana B	Cordnor		Poquiatory As	ecictant		
NAME (PLEASE PRINT) Kaylene R. Gardner TITLE Regulatory Assista					osistai it		
SIGNATURE	allege	Jenne		DATE 6/22/2006			
(This space for Sta	te use (nly)		process. And	proved by the			
Approved by the Utah Division of							
API NUMBER ASSIGNED: 43-047-38332 OII. G. S. STIC APPROVAL: RECEIVED							
			Date:	14 H	JUN 2 3 2006		
(11/2001)			By See Instructi		DIV OF OIL GAS & MININ	iG.	
					DIV. OF OIL, GAS & MININ	. <b>~</b>	

# T10S, R21E, S.L.B.&M.



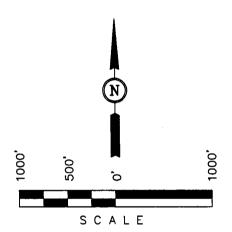
= SECTION CORNERS LOCATED.

# EOG RESOURCES, INC.

Well location, NATURAL COTTON #74-19. located as shown in the SW 1/4 SE 1/4 of Section 19, T10S, R21E, S.L.B.&M. Uintah County, Utah.

#### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE. QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY, SAID ELEVATION IS MARKED AS BEING 5238 FEET.



#### THIS IS TO CERTIFY THAT THE AB FIELD NOTES OF ACTUAL SURVEYS SUPERVISION AND THAT THE SA BEST OF MY KNOWLEDGE AND

#### UNTAH ENGINEERING VERNAL, UTAH 84078 85 SOUTH 200 EAST -(435) 789-1017

SCALE 1" = 1000'		DATE SURVEYED: 09-11-05	DATE DRAWN: 05-31-06
G.S. C.Z.	S.L.	REFERENCES G.L.O. PLA	Τ
WEATHER		FILE	
COOL		EOG RESOURCE	S, INC.

From:

**Ed Bonner** 

To:

Whitney, Diana

Date:

8/16/2006 4:41:54 PM

Subject:

Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

#### ConocoPhillips Company

Utah 19-1182 Utah 34-1217

# **Enduring Resources, LLC**

Bitter Creek 12-23-11-36

Bitter Creek 12-23-21-36

#### EOG Resources, Inc

Natural Cotton 66-36

Natural Cotton 60-32

Natural Cotton 74-19

# Kerr McGee Oil & Gas Onshore LP (Westport)

NBU 1022-19J

#### **Newfield Production Company**

Horseshoe Bend State 3-36-6-21

Horseshoe Bend State 12-36-6-21

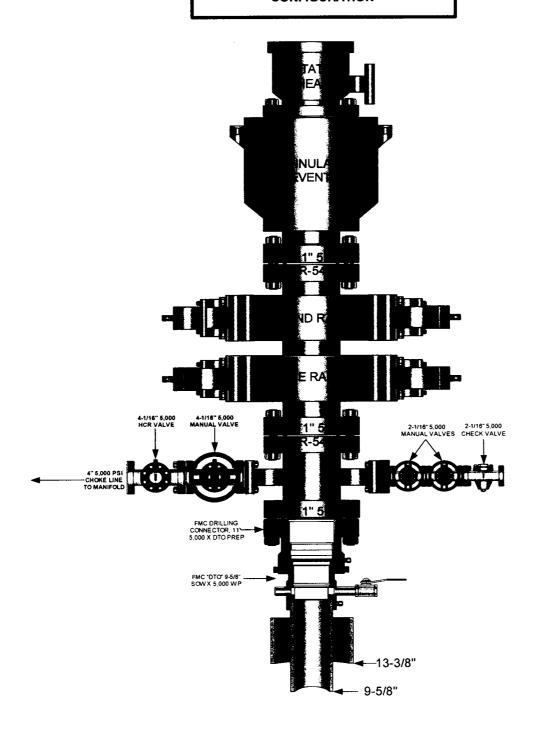
# Parallel Petroleum Corporation

Buckskin Hills 13-32-3-22

If you have any questions regarding this matter please give me a call.

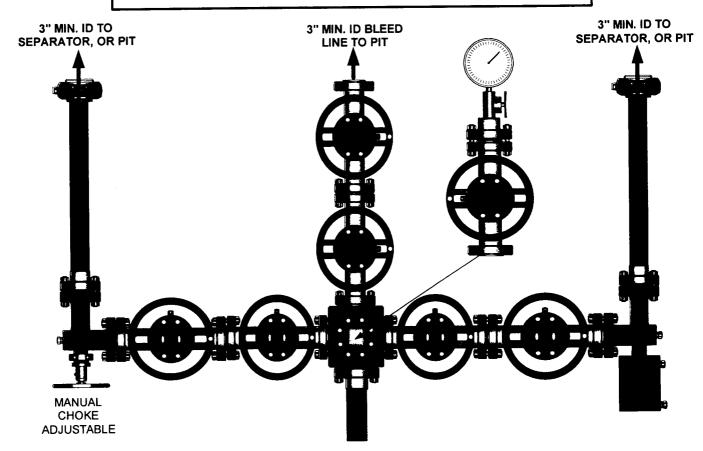
CC:

Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil



#### PAGE 2 0F

# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES



4" 5,000 PSI CHOKE LINE FROM HCR VALVE

#### **Testing Procedure:**

- 1. BOP will be tested with a professional tester to conform to Onshore Order #2.
- 2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
- 3. Annular Preventer will be tested to 50% working pressure, 2,500 psi. Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
- 4. All lines subject to well pressure will be tested to the same pressure as blind and pipe
- 5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22792
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Natural Cotton 74-19
2. NAME OF OPERATOR: EOG Resources, Inc.	9. API NUMBER: 43-047-38332
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WLDCAT: Natural Buttes
1060 East Highway 40 VERNAL UT 84078 (435) 789-0790	Natural Buttes
FOOTAGES AT SURFACE: 1258 FSL 1388 FEL 39.929292 LAT 109.590150 LON	COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 19 10S 21E S.L.B. & M	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
ACIDIZE DEEPEN  ACIDIZE  OF INTENT  OF STREET	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
(Submit in Duplicate)  ALTER CASING  Approximate date work will start:  CASING REPAIR  NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	✓ VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER: APD Extension
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	Request
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volunt EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for Approved by the Utah Division of Oil, Gas and Mining  Date: Describe Proposed or Complete Department of Description of Oil, Gas and Mining	
NAME (PLEASE PRINT) Kaylene R. Gardner TITLE Lead Regulatory	y Assistant
SIGNATURE DATE 8/15/2007	
(This space for State use only)	

AUG 2 0 2007

# Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-38332  Well Name: Natural Cotton 74-19  Location: 1258 FSL 1388 FEL (SWSE), SECTION 19, T10S, R21E S.L.B.&M  Company Permit Issued to: EOG Resources, Inc.  Date Original Permit Issued: 8/22/2006
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
f located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No□
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes⊟ No ☑
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No☑
Has the approved source of water for drilling changed? Yes□No☑
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑
ls bonding still in place, which covers this proposed well? Yes⊠No□
8/15/2007
Signature Date
Title: Lead Regulatory Assistant
Representing: EOG Resources, Inc.

# STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING

		DIVISION OF OIL, GAS AN	ND MINING		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792
	SUNDRY	Y NOTICES AND REPO	ORTS ON WEL	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do	not use this form for proposals to drill r	new wells, significantly deepen existing wells laterals. Use APPLICATION FOR PERMIT TO	below current bottom-hole dep	th, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME:
	YPE OF WELL OIL WELL		HER	is.	8. WELL NAME and NUMBER:
2. N	AME OF OPERATOR:				Natural Cotton 74-19  9. API NUMBER:
	OG Resources, Inc.			,	43-047-38332
	DDRESS OF OPERATOR: 50 East Highway 40	Vernal U	T <sub>ZIP</sub> 84078	PHONE NUMBER: (435) 781-9111	10. FIELD AND POOL, OR WILDCAT:  Natural Buttes
	OCATION OF WELL				
F	OOTAGES AT SURFACE: 1258'	FSL & 1388' FEL 39.92929	92 LAT 109.59015	0 LON	COUNTY: Uintah
Q	TR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN: SWSE 19 10	OS 21E S		STATE: UTAH
11.	CHECK APP	ROPRIATE BOXES TO INC	OCATE NATURE	OF NOTICE PERO	
	TYPE OF SUBMISSION	THE BOXES TO THE		PE OF ACTION	RI, OR OTHER DATA
Ø		ACIDIZE	DEEPEN	TE OF ACTION	REPERFORATE CURRENT FORMATION
لكلا	NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL
	Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION	TEMPORARILY ABANDON
		CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR
		CHANGE TUBING	PLUG AND A	BANDON	VENT OR FLARE
	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
	Date of work completion:	CHANGE WELL STATUS	PRODUCTIO	N (START/RESUME)	WATER SHUT-OFF
		COMMINGLE PRODUCING FORMA	ATIONS RECLAMATI	ON OF WELL SITE	✓ OTHER: APD Extension
		CONVERT WELL TYPE	RECOMPLE	FE - DIFFERENT FORMATION	
12.	DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly sh	now all pertinent details inc	luding dates, depths, volume	es, etc.
EC	G Resources, Inc. requ	uests the APD for the refere	nced well be exten	ded for one year.	
				•	
		A	pproved by the	€	
	•		Jtah Division of		
		Oil	, Gas and Mini	ng	
		Date;	CACILI	Ä	
		24:04		19	COPY SENT TO OPERATOR
		<b>B</b> y: <u></u>	Track UXX	<i>!</i>	
				- 10	Date: 8.5-2008
			$\mathcal{M}$		Initials: <u> </u>
			<b>~</b>		
NAMI	E (PLEASE PRINT) Kaylene R	3. Gardner	TITLE	Lead Regulatory	Assistant
-8tGM	ATORE TOWN	Sandra	DATE	7/30/2008	
This or	nage for State up all d				חבייים
ms st	pace for State use only)				RECEIVED

AUG - 1 2008

# Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API:

43-047-38332

Well Name: Natural Cotton 74-19
Location: 1258 FSL - 1388 FEL (SWSE), Section 19, T10S, R21E S.L.B.&M
Company Permit Issued to: EOG Resources, Inc.
Date Original Permit Issued: 8/22/2006
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes □ No □
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□ No ☑
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☑
Has the approved source of water for drilling changed? Yes□No☑
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑
Is bonding still in place, which covers this proposed well? Yes⊠No□
7/30/2008
Signature Date
Title: Lead Regulatory Assistant
Representing: EOG Resources, Inc.
REC

RECEIVED

AUG - 1 2008

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

:	DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22792
SUNDRY	NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal la	new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to aterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL		8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:		Natural Cotton 74-19  9. API NUMBER:
EOG Resources, Inc.		43-047-38332
3. ADDRESS OF OPERATOR: 1060 East Highway 40	Y VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 789-0790	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 F	FSL 1388 FEL 39.929292 LAT 109.590150 LON	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RAN	ige, meridian: SWSE 19 10S 21E S.L.B. & M	STATE: UTAH
11. CHECK APPF	ROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
·	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	·
12. DESCRIBE PROPOSED OR CO	DMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volu-	mes, etc.
EOG Resources, Inc. resp	pectfully requests authorization to change the well name for the re	eferenced well,
From: Natural Cotton 74-	19	
To: Natural Buttes Unit 76	3-19E	
		RECEIVED
		OCT 1 5 2008
		DIV. OF OIL, GAS & MINING
NAME (PLEASE PRINT) Kaylene F	R. Gardner TITLE Regulatory Adm	ninistrator
SIGNATURE LOUIS	DATE 10/13/2008	

(This space for State use only)

#### **STATE OF UTAH**

DEPARTMENT OF NATURAL RESOURCES

[	DIVISION OF OIL, GAS AND MIN	IING		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22792
SUNDRY	NOTICES AND REPORTS	ON WEL	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill ne drill horizontal la	ew wells, significantly deepen existing wells below curre terals. Use APPLICATION FOR PERMIT TO DRILL for	ent bottom-hole dept rm for such proposal	h, reenter plugged wells, or to ls.	7. UNIT or CA AGREEMENT NAME: Natural Buttes Unit
1. TYPE OF WELL OIL WELL	GAS WELL OTHER_			8. WELL NAME and NUMBER: Natural Buttes Unit 763-19E
2. NAME OF OPERATOR: EOG Resources, Inc.				9. API NUMBER: 43-047-38332
3. ADDRESS OF OPERATOR: 1060 East Highway 40	VERNAL STATE UT ZIP	34078	PHONE NUMBER: (435) 789-0790	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL	VERNAL STATE UT ZIP	34076	(435) 769-0790	Natural Daties
FOOTAGES AT SURFACE: 1258 F	SL 1388 FEL 39.929292 LAT 109	9.590150 LC	N	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANG	GE, MERIDIAN: SWSE 19 10S 21	IE S.L.B. 8	& М	STATE: UTAH
11. CHECK APPR	ROPRIATE BOXES TO INDICATE	E NATURE (	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION			YPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION	TEMPORARILY ABANDON
	✓ CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND A	ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTIO	ON (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATI	ON OF WELL SITE	OTHER: Change TD
	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION	
From: 4500' To: 6150' A revised drilling plan is at	ectfully requests authorization to	Ü		RECEIVED
COPY SENT TO OPERATOR				* OCT 1 5 2008
Date: 10 30 2008				DIV. OF OIL, GAS & MINING
NAME (PLEASE PRINT) Kaylene R	. Gardner	TITL	Regulatory Admir	nistrator
SIGNATURE JON	Santa	DATE	10/13/2008	
This space for State use only)	APPROVED BY THE OF UTAH DIVISIO OIL, GAS, AND MI	N OF		<u> </u>
5/2000) **********************************	10/29/08		icented back to mented back	Surface to 1800 (cause 190-5(b))

# NATURAL BUTTES UNIT 763-19E SW/SE, SEC. 19, T10S, R21E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

FORMATION	TVD-RKB (ft)	Objective	Lithology	
Green River	1,263		Shale	
Mahogany Oil Shale Bed	1,827		Shale	
Wasatch	4,354	Primary	Sandstone	Gas
Chapita Wells	4,953	Primary	Sandstone	Gas
Buck Canyon	5,666	Primary	Sandstone	Gas
			<u>'</u>	
TD	6,150			

Estimated TD: 6,150' or 200'± below TD

Anticipated BHP: 3,358 Psig

- 1. Fresh Waters may exist in the upper, approximately 1,000 ft  $\pm$  of the Green River Formation, with top at about 2,000 ft  $\pm$ .
- 2. Cement isolation is installed to surface of the well isolating all zones by cement.

#### 3. PRESSURE CONTROL EQUIPMENT:

Production Hole - 5000 Psig

BOP schematic diagrams attached.

# 4. CASING PROGRAM:

CASING	<u>Hole</u> Size	<u>Length</u>	<u>Size</u>	<u>WEIGHT</u>	<u>Grade</u>	<u>Thread</u>	Rating Collapse	<u>Factor</u> <u>Burst</u>	<u>Tensile</u>
Conductor	17 ½"	0 – 45'	13 %"	48.0#	H-40	STC	770 PSI	1730 PSI	322,000#
Surface	12 ¼"	0' - 2,300' KB±	9-%"	36.0#	J-55	STC	2020 PSI	3520 Psi	394,000#
Production	7-7/8"	Surface - TD	4-1/2"	11.6#	N-80	LTC	6350 PSI	7780 Psi	233,000#
	/•								

Note: 12-1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

# NATURAL BUTTES UNIT 763-19E SW/SE, SEC. 19, T10S, R21E, S.L.B.&M.. UINTAH COUNTY, UTAH

#### 5. Float Equipment:

# Surface Hole Procedure (0'- 2300'±)

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)

#### Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

#### 6. MUD PROGRAM

#### Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

#### Production Hole Procedure (2300'± - TD):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

2300'± - TD A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

# NATURAL BUTTES UNIT 763-19E SW/SE, SEC. 19, T10S, R21E, S.L.B.&M.. UINTAH COUNTY, UTAH

# 7. VARIANCE REQUESTS:

Reference: Onshore Oil and Gas Order No. 1

Onshore Oil and Gas Order No. 2 - Section E: Special Drilling Operations

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

#### 8. EVALUATION PROGRAM:

**Logs:** Mud log from base of surface casing to TD.

Cased-hole Logs: Cased-hole logs will be run in lieu of open-hole logs consisting of the following: Cement

**Bond / Casing Collar Locator and Pulsed Neutron** 

# NATURAL BUTTES UNIT 763-19E SW/SE, SEC. 19, T10S, R21E, S.L.B.&M.. UINTAH COUNTY, UTAH

# 9. CEMENT PROGRAM:

#### Surface Hole Procedure (Surface - 2300'±):

Lead: 185 sks

Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>, 3 lb/sx

GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

Tail:

207 sks

Class "G" cement with 2% CaCl<sub>2</sub>, 1/4#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps

water.

**Top Out:** 

As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg,

1.18 ft<sup>3</sup>/sk., 5.2 gps water.

Note:

Cement volumes will be calculated to bring lead cement to surface and tail cement to

500'above the casing shoe.

# Production Hole Procedure (2300'± - TD)

Lead:

112 sks:

Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44

(Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes)

mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

Tail:

400 sks:

50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075%

D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1

ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

Note:

The above number of sacks is based on gauge-hole calculation.

Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe. Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

Final Cement volumes will be based upon gauge-hole plus 45% excess.

#### 10. ABNORMAL CONDITIONS:

#### Surface Hole (Surface - 2300'±):

Lost circulation

#### Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

# NATURAL BUTTES UNIT 763-19E SW/SE, SEC. 19, T10S, R21E, S.L.B.&M.. UINTAH COUNTY, UTAH

# 11. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Upper and Lower Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

# 12. HAZARDOUS CHEMICALS:

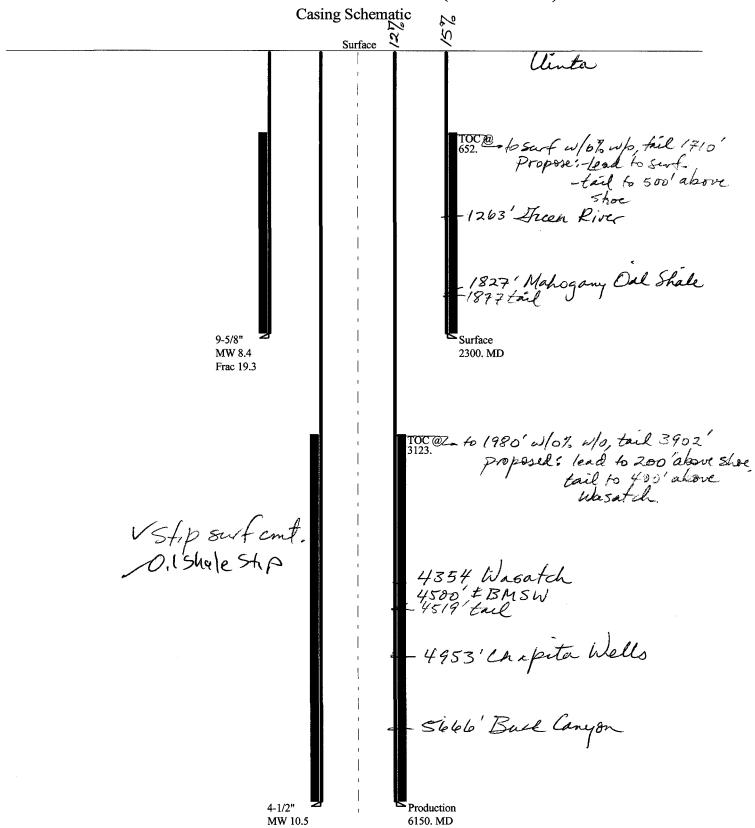
No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

# 13. Air Drilling Operations:

- 1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
- Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
- 4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
- 5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
- 6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

(Attachment: BOP Schematic Diagram)

# 08-06 EOG NBU 763-19 (rev 10-2008)



08-06 EOG NBU 763-19 (rev 10-2008) Well name:

**EOG Resources Inc.** Operator:

String type: Surface

Formerly Natural Cotton 74-19 AFE No.:

Location: **Uintah County**  Project ID:

43-047-38332-0000

Design parameters:

<u>Collapse</u> Mud weight: 8.400 ppg Design is based on evacuated pipe.

Minimum design factors: Collapse:

Design factor

1.125

H2S considered?

No Surface temperature: 75 °F Bottom hole temperature: 107 °F

Temperature gradient: 1.40 °F/100ft Minimum section length: 290 ft

Burst:

Design factor

1.00

Cement top:

**Environment:** 

652 ft

**Burst** 

Max anticipated surface

pressure: Internal gradient: Calculated BHP

2,024 psi 0.120 psi/ft 2,300 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J) Buttress: 1.60 (J) Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight. 2,014 ft Neutral point:

Re subsequent strings:

Non-directional string.

Next setting depth: 6,150 ft Next mud weight: 10.500 ppg Next setting BHP: 3,355 psi

Fracture mud wt: Fracture depth: Injection pressure: 19.250 ppg 2,300 ft 2,300 psi

Run Seq	Segment Length	Size	Nominal Weight	Grade	End Finish	True Vert Depth	Measured Depth	Drift Diameter	Internal Capacity
•	(ft)	(in)	(lbs/ft)			(ft)	(ft)	(in)	(ft³)
1	2300	9.625	36.00	J-55	ST&C	2300	2300	8.796	998.3
Run	Collapse	Collapse	Collapse	Burst	Burst	Burst	Tension	Tension	Tension
Seq	Load	Strength	Design	Load	Strength	Design	Load	Strength	Design
	(psi)	(psi)	Factor	(psi)	(psi)	Factor	(Kips)	(Kips)	Factor
1	1004	2020	2.013	2300	3520	1.53	73	394	5.43 J

Prepared

by:

Helen Sadik-Macdonald Div of Oil, Gas & Minerals

Phone: 801-538-5357 FAX: 801-359-3940

Date: October 28,2008 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2300 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

08-06 EOG NBU 763-19 (rev 10-2008) Well name:

**EOG Resources Inc.** Operator:

Production String type: Project ID:

Formerly Natural Cotton 74-19 AFE No.: 43-047-38332-0000

Location: **Uintah County** 

**Design parameters:** Minimum design factors: **Environment:** 

Collapse Mud weight: 10.500 ppg

Design is based on evacuated pipe.

Collapse: H2S considered? Design factor 1.125 Surface temperature:

Bottom hole temperature: 161 °F Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Non-directional string.

**Burst:** 

1.00 Design factor Cement top:

3,123 ft

No 75 °F

**Burst** 

Max anticipated surface

2,002 psi pressure:

0.220 psi/ft Internal gradient: Calculated BHP 3,355 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: Buttress: 1.60 (J)

1.50 (J) Premium: Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 5,185 ft

Run	Segment		Nominal		End	True Vert	Measured	Drift	Internal
Seq	Length (ft)	Size (in)	Weight (lbs/ft)	Grade	Finish	Depth (ft)	Depth (ft)	Diameter (in)	Capacity (ft³)
1	6150	4.5	11.60	N-80	LT&C	6150	6150	3.875	536.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3355	6350	1.893	3355	`7780	2.32	60	`223	3.71 J

Helen Sadik-Macdonald Prepared

Phone: 801-538-5357 FAX: 801-359-3940 Div of Oil, Gas & Minerals

Date: October 28,2008 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6150 ft, a mud weight of 10.5 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# **BOPE REVIEW**

# EOG NBU 763-19E API 43-047-38332-0000

INPUT			
Well Name	EOG NBU 763-19E	API 43-047-38332-0	0000
	String 1		
Casing Size (")	9 5/8	4 1/2	
Setting Depth (TVD)	2300	6150	
Previous Shoe Setting Depth (TVD)	45	2300	
Max Mud Weight (ppg)	8.4	10.5	
BOPE Proposed (psi)	500	5000	
Casing Internal Yield (psi)	3520	7780	
Operators Max Anticipated Pressure (psi)	3358	10.5 p	ppg

Calculations	String 1	9 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW =	1005	
		BOPE AC	dequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	729 N	NO OF- Air Drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	499 Y	YES V
		*Can Ful	III Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	509 N	NO Reasonable Opoth No expected ocessines
Required Casing/BOPE Test	Pressure	2300 psi	
Max Pressure Allowed @ Pr	evious Casing Shoe =	45 psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	4 1/2 "	<del></del>
Max BHP [psi]	.052*Setting Depth*MW =	3358	
		BOPE Adequate For Drilling And Setting C	asing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2620 YES	
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2005 YES	
		*Can Full Expected Pressure Be Held At P	revious Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	2511 NO O.K.	
Required Casing/BOPE Test	Pressure	5000 psi <i>[</i>	
*Max Pressure Allowed @ P	revious Casing Shoe =	*Assumes 1psi/ft frac gr	adient

FORM 9

# STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: Natural Buttes
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: Natural Buttes Unit 763-19E
2. NAME OF OPERATOR: EOG Resources, Inc.	9. API NUMBER: 43-047-38332
3. ADDRESS OF OPERATOR: PHONE NUMBER: (435) 781-9145	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL	11:
FOOTAGES AT SURFACE: 1258' FSL & 1388' FEL 39.929292 LAT 109.590150 LON	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 19 10S 21E S.L.B. & M.	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT  ACIDIZE  DEEPEN  DEACTURE TO STUDY TO S	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  ALTER CASING  FRACTURE TREAT  APPROXIMATE Add update will start:  APPROXIMATE ACCUMENTATION  APPROXIMATE A	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TUBING REPAIR
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	
CHANGE TUBING PLUG AND ABANDON  SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	VENT OR FLARE  WATER DISPOSAL
(Submit Original Form Only)	WATER DISPOSAL  WATER SHUT-OFF
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WELL SITE	L
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	✓ OTHER: <u>Drilling Operations</u>
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, voluit Location construction is scheduled to begin on or about 4/17/2009.	mes, etc.
NAME (PLEASE PRINT) Mickenzie Thacker TITLE Operations Cler	k
SIGNATURE Wicher Thank DATE 4/15/2009	

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# DIVISION OF OIL, GAS AND MINING

# **SPUDDING INFORMATION**

Name of Cor	mpany:		EOG	RESO	URCES IN	C	<del></del>
Well Name			<u>NBU</u>	<u>763-19</u>	E		
Api No <u>:</u>	43-047-3	8332	I	Lease T	`ype:	STATE	_
Section 19	_Township	10S	_Range	21E	County	UINTA	Н
Drilling Con	ntractor	CRAIG'S	S ROUS	TABO	UT SERV	RIG #	BUCKET
SPUDDE	<b>D:</b> Date	04/24	4/09				
	Time	9:00	AM				
	How	DR	<u>Y</u>	_			
Drilling wi	II Comme	nce:					<del> </del>
Reported by			KEN D	AVEN	PORT		_
Telephone #_	<u></u>		(435) 8	<u> 28-820</u>	0		
Date	04/28/09	Signed	CI	HD			

# STATE OF UTAH

DEPARTMENT OF NATURAL RESOURD DIVISION OF OIL, GAS AND MIN		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792
SUNDRY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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1. TYPE OF WELL OIL WELL GAS WELL OTHER		8. WELL NAME and NUMBER: Natural Buttes Unit 763-19E
2. NAME OF OPERATOR: EOG Resources, Inc.	TENNY	9. API NUMBER: 43-047-38332
	4078 PHONE NUMBER: (435) 781-9145	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258' FSL & 1388' FEL 39.929292 LAT	109.590150 LON	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 19 10S 21	E S.L.B. & M.	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
NOTICE OF INTENT	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)  ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING		
	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	PLUG BACK	WATER DISPOSAL
Date of work completion:	PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	✓ other: <u>Drilling Operations</u>
CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pe  Location construction began on 4/20/2009.	tinent details including dates, depths, volume	ss, etc.
NAME (PLEASE PRINT) Mickenzie Thacker	TITLE Operations Clerk	
1	TITLE Operations Clerk	
SIGNATURE William Wach ")	DATE <u>4/22/2009</u>	
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APR 27 2009

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENITITY	ACTION	EODM

Operator:

EOG Resources, Inc.

Operator Account Number: N 9550

Address:

1060 East Highway 40

city Vernal

zip 84078 state UT

Phone Number: (435) 781-9145

MAINE 4

NATURAL DUTTER H						Rng County			
NATURAL BUTTES U	INIT 763-19E	SWSE	19	10\$	21E	UINTAH			
Current Entity Number	New Entity Number	Sı	pud Dat	te		ty Assignment ffective Date			
99999	2900	4	/24/200	9	4/	29/09			
_	Number	Number         Number           99999         2900	Number         Number           99999         2900         4	Number         Number           99999         2900         4/24/2009	Number         Number           99999         2900         4/24/2009	Number         Number         Ef           99999         2900         4/24/2009         4////////////////////////////////////			

Weli 2

API Number	Well t	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	s	pud Da	te		y Assignment ective Date
omments:							

Well 3

API Number	Well	lame	QQ	Sec	Twp	Rng	County	
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date		
omments:					·		-	

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- Re-assign well from one existing entity to another existing entity
- Re-assign well from one existing entity to a new entity
- Other (Explain in 'comments' section)

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Signature **Operations Clerk** 

Name (Please Print)

Mickenzie Thacker

Title

24/2009

(5/2000)

APR 2 8 2009

# STATE OF UTAH

	į		PARTMENT OF NATURAL RESOUR ISION OF OIL, GAS AND MIN					ASE DESIGNATION AND SERIAL NUMBER:
	SUNDRY	'NO	OTICES AND REPORTS	3 01	N WEL	LS	6. IF	INDIAN, ALLOTTEE OR TRIBE NAME:
Do	not use this form for proposals to drill n drill horizontal la	ew wel	Ils, significantly deepen existing wells below curr	ent bot	ttom-hole dept such proposa	th, reenter plugged wells, or to		IIT or CA AGREEMENT NAME: tural Buttes
1. T	YPE OF WELL OIL WELL	$\overline{}$	GAS WELL 🚺 OTHER _		_		1	ELL NAME and NUMBER: tural Buttes Unit 763-19E
	AME OF OPERATOR: OG Resources, Inc.							NUMBER: -047-38332
3. Al	ODRESS OF OPERATOR:					PHONE NUMBER:	10. F	IELD AND POOL, OR WILDCAT:
	COATION OF WELL	Vei	rnal state UT zel	840	/8	(435) 781-9145	Na	tural Buttes
		FSL	. & 1388' FEL 39.929292 LAT	109	.590150	LON	COU	NTY: Uintah
Q	TR/QTR, SECTION, TOWNSHIP, RAN	GE, M	ieridian: SWSE 19 10S 2	1E	S.L.B.	& M.	STAT	E: UTAH
11.	CHECK APPR	ROP	PRIATE BOXES TO INDICAT	EΝ	ATURE	OF NOTICE, REPO	DRT, C	OR OTHER DATA
	TYPE OF SUBMISSION	ļ			T`	YPE OF ACTION		
	NOTICE OF INTENT		ACIDIZE		DEEPEN		L	REPERFORATE CURRENT FORMATION
	(Submit in Duplicate)	빋	ALTER CASING		FRACTURE		L	SIDETRACK TO REPAIR WELL
	Approximate date work will start:		CASING REPAIR		NEW CONS		L	TEMPORARILY ABANDON
		片	CHANGE TO PREVIOUS PLANS		OPERATOR PLUG AND		L	TUBING REPAIR  VENT OR FLARE
<b>7</b>	SUBSEQUENT REPORT	出	CHANGE TUBING CHANGE WELL NAME		PLUG AND		_  -	WATER DISPOSAL
<u> </u>	(Submit Original Form Only)		CHANGE WELL STATUS			ON (START/RESUME)		WATER SHUT-OFF
	Date of work completion:	出	COMMINGLE PRODUCING FORMATIONS	Н		ION OF WELL SITE	L	OTHER: Well Spud
		腨	CONVERT WELL TYPE	Н		TE - DIFFERENT FORMATION	<u>                                    </u>	Omen. vvon opda
10	DECORIDE DECORET OF CO		ETED OPERATIONS. Clearly show all p	ertine	ent details in	cluding dates denths volum	mae atc	
	ne referenced well was s						•	
	ie (PLEASE PRINT) Mickenzie	Tha	acker  Mady		TITL	4/24/2009	k	

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STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES	FORM 9
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
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2. NAME OF OPERATOR: EOG Resources, Inc.	9. API NUMBER: 43-047-38332
3. ADDRESS OF OPERATOR: PHONE NUMBER: (435) 781-9145	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258' FSL & 1388' FEL 39.929292 LAT 109.590150 LON	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 19 10S 21E S.L.B. & M.	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REF	PORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  Approximate date work will start:  CASING REPAIR  DEEPEN  FRACTURE TREAT  NEW CONSTRUCTION	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS  OPERATOR CHANGE  CHANGE TUBING  PLUG AND ABANDON  CHANGE WELL NAME  CHANGE WELL NAME  CHANGE WELL STATUS  PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF WELL SITE  CONVERT WELL TYPE  RECOMPLETE - DIFFERENT FORMATION	TUBING REPAIR  VENT OR FLARE  WATER DISPOSAL  WATER SHUT-OFF  ✓ OTHER: Drilling Operations  ON
Describe Proposed or Completed Operations. Clearly show all pertinent details including dates, depths, volume of the pertinent details including dates.	lumes, etc.
NAME (PLEASE PRINT) Mickenzie Thacker  SIGNATURE JULIUM TAULUM Operations Cle	erk

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#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES	
DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792
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2, NAME OF OPERATOR:	9. API NUMBER:
EOG Resources, Inc. 3. ADDRESS OF OPERATOR: THOMPS NUMBER:	43-047-38332
3. ADDRESS OF OPERATOR: 1060 East Highway 40 City Vernal STATE UT ZIP 84078 PHONE NUMBER: (435) 781-9145	10. FIELD AND POOL, OR WILDCAT:  Natural Buttes
4. LOCATION OF WELL	
FOOTAGES AT SURFACE: 1258' FSL & 1388' FEL 39.929292 LAT 109.590150 LON	county: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 19 10S 21E S.L.B. & M.	STATE: UTAH
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TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
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Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ other: <u>Drilling Operations</u>
CONVERT WELL TYPE	-
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volure properties of the properties	
NAME (PLEASE PRINT) Mickenzie Thacker  TITLE Operations Cler  SIGNATURE 1 5/13/2009	k
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MAY 18 2009

		STATE OF UTAH	0000			FORM 9							
	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING  5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22792												
	SUNDRY NOTICES AND REPORTS ON WELLS  6. IF INDIAN, ALLOTTEE OR TRIBE NAME:												
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	CATION OF WELL			*									
FC	OOTAGES AT SURFACE: 1258	FSL & 1388' FEL 39.929292 LA	Г 109.590150	) LON	COUNTY	Uintah							
QT	QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 19 10S 21E S.L.B. & M. STATE UTAH												
11,	CHECK APP	ROPRIATE BOXES TO INDICAT	TE NATURE	OF NOTICE, REPOR	RT, OR	OTHER DATA							
	TYPE OF SUBMISSION		T	YPE OF ACTION									
$\Box$	NOTICE OF INTENT	ACIDIZE	DEEPEN		F	REPERFORATE CURRENT FORMATION							
_	(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT		SIDETRACK TO REPAIR WELL							
	Approximate date work will start:	CASING REPAIR	NEW CONS	STRUCTION	T	FEMPORARILY ABANDON							
		CHANGE TO PREVIOUS PLANS	OPERATOR	R CHANGE	П	TUBING REPAIR							
		CHANGE TUBING	PLUG AND	ABANDON		/ENT OR FLARE							
1	SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BAC	К		WATER DISPOSAL							
	(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTI	ION (START/RESUME)		WATER SHUT-OFF							
	Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMA	TION OF WELL SITE	7	OTHER: Drilling Operations							
	-	CONVERT WELL TYPE		ETE - DIFFERENT FORMATION		STILL STIMING OPERATORS							
12	DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS, Clearly show all	pertinent details in	cluding dates, depths, volume	es, etc.								
Ple	ease see the attached v	well chronology for the reference	d well.										
NIABAR	<sub>E (PLEASE PRINT)</sub> Mickenzie	Thacker	TIT.	Operations Clerk									
* ALVINIE	- /												

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DATE 5/20/2009

	mpp b1/ c	arr.					
1	ported By TERRY C					(ma)	
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$80,000	Completion	\$0		Well Total	\$80,000	
MD 60	TVD 60 Prog	gress 0	Days	0	MW 0.0	Visc	0,0
Formation :	<b>PBTD</b> : 0.0		Perf:		PKR De	<b>pth:</b> 0.0	
Activity at Report Tir	ne: BUILD LOCATION						
Start End	Hrs Activity Description	1					
06:00 06:00	24.0 PUSHING OUT PIT.						
04-29-2009 Re	ported By TERRY C	CSERE	.10				
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$80,000	Completion	\$0		Well Total	\$80,000	
<b>MD</b> 60	TVD 60 Pros	gress 0	Days	0	<b>MW</b> 0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0.0		Perf:		PKR De	<b>pth</b> : 0.0	
Activity at Report Tir	ne: BUILD LOCATION						
Start End	Hrs Activity Description						
06:00 06:00	24.0 PUSHING OUT PIT						
04-30-2009 Re	ported By TERRY	CSERE					
DailyCosts: Drilling	\$0	Completion	\$0		Daily Total	\$0	
Cum Costs: Drilling	\$80,000	Completion	\$0		Well Total	\$80,000	
_		_		0	<b>MW</b> 0.0	Visc	0.0
1125	<b>TVD</b> 60 <b>Prog PBTD</b> : 0.0	gress 0	Days Perf :		PKR De		010
Formation :	me: BUILDING LOCATION		1 611		TIKDE	<b>ptn :</b> 0.0	
O6:00	Hrs Activity Description 24.0 LINE TODAY.	n					
	eported By TERRY	CSERE					
			\$0		Daily Total	\$0	
DailyCosts: Drilling	\$0 \$80,000	Completion	\$0		Well Total	\$80,000	
<b>Cum Costs: Drilling</b>	\$80,000	Completion		0			0.0
<b>MD</b> 60		gress 0	Days	0	112.17	Visc	0.0
Formation :	<b>PBTD</b> : 0.0		Perf:		PKR De	e <b>ptn :</b> 0.0	
Activity at Report Ti	me: LOCATION BUILD						
Start End	Hrs Activity Description						
06:00 06:00	24.0 LOCATION COMPLE	ETE.					
05-20-2009 Re	eported By PETE CO	OMEAU					
DailyCosts: Drilling	\$214,239	Completion	\$0		Daily Total	\$214,239	
<b>Cum Costs: Drilling</b>	\$294,239	Completion	\$0		Well Total	\$294,239	
<b>MD</b> 2,438	<b>TVD</b> 2,438 <b>Pro</b>	gress 0	Days	0	<b>MW</b> 0.0	Visc	0.0
Formation :	<b>PBTD:</b> 0.0		Perf:		PKR De	epth: 0.0	
Activity at Report Ti	me: WORT						
Start End	Hrs Activity Description	n					
06:00 06:00	24.0 MIRU CRAIG'S AIR	RIG #3 ON 5/07/20	09. DRILLED	12-1/4" HO	LE TO 2425' GL (2438'	KB), ENCOUNT	ERED
	WATER @ 1540'. DR	ILLED WITH FLU.	D FKOM 156	o IOIOIA	DEPTH WITH NO RE	DECEI	

Page 3

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RAN 55 JTS (2409,40.') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 1500 PSIG. PUMPED 175 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT.

TAIL: MIXED AND PUMPED 400 SACKS (84 BBLS) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/ YIELD OF 1.18 CF/SX.

DISPLACED CEMENT W/175 BBLS FRESH WATER. BUMPED PLUG W/500 PSI @ 17:45, 5/11/2009 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE. WOC 2.5 HOURS

TOP JOB # 1: DOWN 6' OF 1' PIPE, MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS DURING ANY PART OF THE OPERATION. WAIT ON CEMENT 4 HOURS.

TOP JOB # 2: MIXED & PUMPED 150 SX (31 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 3.5 HOURS .

TOP JOB # 3: MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS, WOC 3.0 HOURS.

TOP JOB # 4: MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX CEMENT RETURNS AND CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 3 TOOK SURVEYS WHILE DRILLING HOLE @ 1510' = 1.00 DEGREE & 2405' = 2.75 DEGREE.

2422.40' KB. RDMO CRAIGS RIG #3.

KENT DEVENPORT NOTIFIED BLM ON ELECTRONIC FORM OF THE SURFACE CASING & CEMENT JOB ON 5/09/2009 @ 08:00 AM.

PETE COMEAU NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/9/2009 @ 08:00 AM.

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		5.LEASE DESIGNATION AND SERIAL NUMBER: ML 22792
SUNDF	RY NOTICES AND REPORT	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposition-hole depth, reenter plu DRILL form for such proposals.	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 763-19E		
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047383320000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-	PHONE NUMBER: 9111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 FSL 1388 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSE Section: 19	P, RANGE, MERIDIAN: Township: 10.0S Range: 21.0E Meridiar	n: S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDIC.	ATE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	☐ ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start.	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT     Report Date:	☐ WATER SHUTOFF	APD EXTENSION	
5/28/2009	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
	MPLETED OPERATIONS. Clearly show all p		volumes, etc.
Please see the	attached well chronology fo	r the referenced well.	A considerable to the constant of the constant
			Accepted by the Utah Division of
		0	il, Gas and Mining
			•
		FU	R RECORD ONLY
			·
NAME (PLEASE PRINT) Kaylene Gardner	<b>PHONE NUMBE</b> 435 781-9111	TITLE Regulatory Administrator	
SIGNATURE N/A		<b>DATE</b> 5/28/2009	

# WELL CHRONOLOGY REPORT

Report Generated On: 05-28-2009

Well Name	NBU 763-19E	Well Type	DEVG	Division	DENVER			
Field	NATURAL BUTTES UNIT	API#	43-047-38332	Well Class	DRIL			
County, State	UINTAH, UT	Spud Date	05-25-2009	Class Date				
Tax Credit	N	TVD / MD	6,150/6,150	Property #	057879			
Water Depth	0	Last CSG	4.5	Shoe TVD / MD	6,150/ 6,150			
KB / GL Elev	5,227/ 5,214							
Location	Section 19, T10S, R21E, SWSE, 1258 FSL & 1388 FEL							

DRILL & COMPLETE

Lichtino		DCS	cription					
Operator	EOG RESOURCES, INC		<b>%</b> 100	.0	NRI %	73.947		
AFE No	303730	AF	E Total	1,141,165	DHC/	CWC	553,365/ 58	87,800
Rig Contr	ELENBURG	Rig Name	ELENBURG #28	<b>Start Date</b>	07-14-2006	Release	Date	
07-14-2006	Reported By	SHARC	ON WHITLOCK					
DailyCosts: Dr	rilling \$0		Completion	\$0	Dail	y Total	\$0	
Cum Costs: Di	rilling \$0		Completion	\$0	Wel	l Total	\$0	
MD	0 <b>TVD</b>	0 <b>Pr</b>	ogress 0	Days	0 <b>MW</b>	0.0	Visc	0.0
Formation:		<b>PBTD</b> : 0.0		Perf:		PKR De	epth: 0.0	

Activity at Report Time: LOCATION DATA

1.0

**Event No** 

Start End Hrs Activity Description
06:00 06:00 24.0 LOCATION DATA

1258' FSL & 1388' FEL (SW/SE) SECTION 19, T10S, R21E UINTAH COUNTY, UTAH

LAT 39.929292, LONG 109.590150 (NAD 83) LAT 39.929328, LONG 109.589461 (NAD 27)

Description

ELENBURG #28

OBJECTIVE: 6150' TD, WASATCH

DW/GAS

NATURAL BUTTES PROSPECT DD&A: NATURAL BUTTES NATURAL BUTTES FIELD

LEASE: ML 22792

ELEVATION: 5214.4.0' NAT GL, 5214.4' PREP GL (DUE TO ROUNDING PREP GL WILL BE 5214') 5227' KB (13')

EOG BPO WI 100%, NRI 73.946716% EOG APO WI 66.67%, NRI 49.394976%

04-20-2009 Reported By

TERRI CSERE

DailyCosts: Drilling			Completio			_	y Total	\$80,000 \$80,000	
Cum Costs: Drilling	,		Completio		0		Total		0.0
MD 0 Formation :	TVD	0 <b>P</b> : <b>PBTD:</b> 0.0	rogress 0	Days Perf :	0	MW	0.0 <b>PKR De</b> j	Visc	0.0
Formation : Activity at Report [				ren:			r KK Dej	ptii : 0.0	
Start End		vity Descript	tion						
06:00 06:00		ATION START							
	Reported By		I CSERE						
DailyCosts: Drilling	•	)	Completio	<b>on</b> \$0		Daily	y Total	\$80,000	
Cum Costs: Drilling		)	Completio	<b>on</b> \$0		_	Total	\$80,000	
<b>MD</b> 0	TVD	0 <b>P</b> :	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0.0	•	Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	ime: LOCATIO	N BUILD							
Start End	Hrs Acti	vity Descript	tion						
06:00 06:00	24.0 LOC	ATION 15% C	OMPLETE.						
04-22-2009	Reported By	TERR	I CSERE						
DailyCosts: Drilling	\$0		Completio	<b>on</b> \$0		Daily	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Completio	<b>on</b> \$0		Well	Total	\$80,000	
<b>MD</b> 0	TVD	0 <b>P</b>	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	Time: LOCATIO	N BUILD							
Start End	Hrs Acti	vity Descript	tion						
06:00 06:00	24.0 LOC	ATION 40% C	OMPLETE.						
04-23-2009	Reported By	TERR	I CSERE/ KENT D	EVENPORT					
DailyCosts: Drilling	<b>\$</b> 0		Completio	<b>on</b> \$0		Daily	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Completio	<b>on</b> \$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD	60 <b>P</b>	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report T	Time: SPUD NO	TIFICATION							
Start End		vity Descript							
06:00 06:00	CEM	ENT TO SUR	BOUT SERVICE T FACE WITH REAI OTIFIED BY EMA	OY MIX. CAROL	DANIELS '	W/UDOGM	WAS NOTIFI	ED BY PHONE	E MESSAC
04-27-2009	Reported By	TERR	I CSERE						
DailyCosts: Drilling	\$0		Completio	<b>n</b> \$0		Daily	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Completio	<b>on</b> \$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD	60 <b>P</b>	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	ime: LOCATIO	N BUILD							
Start End	Hrs Acti	vity Descript	tion						

04-28-2009 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD 60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	<b>):</b> 0.0		Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATI	ION							
Start End	Hrs Activity I	Description							
06:00 06:00	24.0 PUSHING	OUT PIT.							
04-29-2009 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Dail	y Total	\$0	
<b>Cum Costs: Drilling</b>	\$80,000	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD 60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	<b>)</b> : 0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATI	ION							
Start End	Hrs Activity I	Description							
06:00 06:00	24.0 PUSHING	OUT PIT.							
04-30-2009 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD 60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	J		Perf :			PKR De	oth: 0.0	
Activity at Report Ti	me: BUILDING LO	CATION					-		
Start End	Hrs Activity I	Description							
06:00 06:00	24.0 LINE TOD	_							
05-01-2009 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD 60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	<b>D:</b> 0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity at Report Ti	me: LOCATION BU	ILD							
Start End	Hrs Activity I	Description							
06:00 06:00	24.0 LOCATIO	N COMPLETE.							
05-20-2009 Re	eported By	PETE COMEAU							
DailyCosts: Drilling	\$213,922	Com	pletion	\$0		Dail	y Total	\$213,922	
Cum Costs: Drilling	\$293,922	Com	pletion	\$0		Well	Total	\$293,922	
<b>MD</b> 2,438	<b>TVD</b> 2,4	38 <b>Progress</b>	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	S		Perf:			PKR De <sub>l</sub>		
A 41 14 4 TD 4 TD1							•		
Activity at Report 11									
Activity at Report Ti Start End	Hrs Activity I	Description							

RAN 55 JTS (2409.40.') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2422.40' KB. RDMO CRAIGS RIG #3.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 1500 PSIG. PUMPED 175 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT.

TAIL: MIXED AND PUMPED 400 SACKS (84 BBLS) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/YIELD OF 1.18 CF/SX.

DISPLACED CEMENT W/175 BBLS FRESH WATER. BUMPED PLUG W/500 PSI @ 17:45, 5/11/2009 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE. WOC 2.5 HOURS

TOP JOB # 1: DOWN 6' OF 1' PIPE, MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS DURING ANY PART OF THE OPERATION. WAIT ON CEMENT 4 HOURS.

TOP JOB # 2: MIXED & PUMPED 150 SX (31 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 3.5 HOURS .

TOP JOB # 3: MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS, WOC 3.0 HOURS.

TOP JOB # 4: MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX CEMENT RETURNS AND CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 3 TOOK SURVEYS WHILE DRILLING HOLE @ 1510' = 1.00 DEGREE & 2405' = 2.75 DEGREE.

KENT DEVENPORT NOTIFIED BLM ON ELECTRONIC FORM OF THE SURFACE CASING & CEMENT JOB ON 5/09/2009 @ 08:00 AM.

PETE COMEAU NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/9/2009 @ 08:00 AM.

05-26-20	09 R	eported I	By K	IT HATFIELD							
DailyCost	s: Drilling	\$8	85,130	Completion		\$0		Dail	y Total	\$85,130	
<b>Cum Costs: Drilling</b>		\$3	\$379,052		Completion			Wel	l Total	\$379,052	
MD	3,805	TVD	3,805	Progress	1,563	Days	1	MW	8.9	Visc	32.0
Formation: PBTD			<b>PBTD</b> : 0	0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity a	t Report Ti	ime: SUR	VEY @ 3805'.								
Start	End	Hrs	<b>Activity Desc</b>	cription							
06:00	11:00	5.0	MOVE ON RIG	G WITH HOWC	ROFT FRO	OM NBU 428	-7E. ABOUT	Γ4 MILE M	IOVE.		
SET ON STACK AND LOCK DOWN. T						EST TO 5000	PSI / OK. R	IG UP.			
11:00	14:00	3.0	RIG ON DAYV	VORK @ 11:00	HRS 5/25/0	09					

05-27-2009	Report	ed By KIT HATFIELD
		BHA = 75 HRS, JARS = WELL #3
		FUEL = 3477  GAL
		SAFETY MEETINGS: RIGGING UP IN THE MUD. SURVEYING. FULL CREWS / NO ACCIDENTS.
05:00	06:00	1.0 SURVEY @ 3805' = 1.0°
		17-20 K WOB, ROTARY 65-75, MTR = 135, PRESS = 1900  PSI, DIFF = 400-500  PSI.  MW = 9.1  /  32  VIS
23:00	05:00	6.0 DRILLING: 2665–3805' ( 1140') AVG 190 FPH (INSTANTANEOUS ROP = 250 – 350 FPH.)
22:00	23:00	1.0 RIG REPAIR: REPLACE SWIVEL MOTOR.
21:30	22:00	0.5 RIG SERVICE
		15-18 K WOB, ROTARY  65-75, MTR = 135, PRESS = 1500  PSI, DIFF = 400-500  PSI.  MW = 8.9  /  32  VIS.
		DRILLING: 2422–2665' (243') AVG 243 FPH
20:30	21:30	1.0 "SPUD" 20:30 HRS 5/25/09
		SURVEY @ $2400^{\circ} = 1.0^{\circ}$
20:00	20:30	0.5 RUN FIT TEST TO EMW OF 11.1 PPG @ 2438'.
17:30	20:00	2.5 MAKE UP BIT & BHA. TRIP IN. TAG CEMENT @ 2365'. DRILL OUT COLLAR @ 2377' AND SHOE AT 2422'. DRILL 10' RATHOLE.
17:00	17:30	0.5 INSTALL WEAR BUSHING. TALLY, OD/ID BHA.
14:00	17:00	NIPPLE UP STACK & CONTINUE RIG UP.  3.0 TEST STACK. PIPE RAMS, BLIND RAMS, CHOKE, CHOKE LINE, KILL LINE, UPPER & LOWER KELLY VALVE, FLOOR VALVE & DART VALVE TO 250 PSI LOW & 5000 PSI HIGH. TEST ANNULAR 250 PSI LOW & 2500 PSI HIGH. PRESSURE TEST CASING TO 1500 PSI FOR 30 MIN. ALL TESTS OK.

05-27-2009 Reported By				KIT HATFIELD							
DailyCosts: Drilling \$34,423			423	Completion		\$2,296		Daily	Total	\$36,719	
<b>Cum Costs: Drilling</b>		\$413,475		Completion		\$2,296		Well	Total	\$415,771	
MD	6,150	TVD	6,150	Progress	2,345	Days	2	MW	9.8	Visc	40.0
Formation:			<b>PBTD</b> : 0.0			Perf:			PKR Dep	oth: 0.0	

Activity at Report Time: RUN 4 1/2" CASING.

·	•		
Start	End	Hrs	Activity Description
06:00	16:30	10.5	DRILLING: 3805-5660' (1855') AVG 177 FPH
			15–20K WOB, ROTARY 65–75, MTR=135, PRESS= 2300 PSI, DIFF= 600–700 PSI. MW= 9.6 / 34 VIS.
16:30	17:00	0.5	RIG SERVICE
17:00	21:00	4.0	DRILLING: 5660-6150' (490') AVG 123 FPH.
			PARAMETERS AS ABOVE.
			MW=9.8, VIS = 40
21:00	21:30	0.5	CIRCULATE
21:30	22:30	1.0	SHORT TRIP 10 STANDS
22:30	00:00	1.5	CIRCULATE OUT HI VIS SWEEP. SPOT 200 BBLS 12 PPG MUD ON BOTTOM.
00:00	05:00	5.0	TRIP OUT LAYING DOWN DRILL PIPE. HOLE IN GOOD SHAPE, NO TITE SPOTS.
05:00	06:00	1.0	HOLD SAFETY MEETING. JOB DISCUSSION. RIG UP FRANKS TO RUN CASING.
			SAFETY MEETINGS: LDDP, RUNNING CASING, MIXING MUD.
			FULL CREWS
			NO ACCIDENTS.
			COM SET TO TRIP.
			FUEL = 2586 GAL

BHA = 89.5 HRS, JARS = WELL #3.

05-28-20	09 Re	eported I	ву в	RIAN DUTTON							
DailyCost	s: Drilling	\$4	42,163	Com	pletion	\$108,320		Dail	y Total	\$150,484	
Cum Cos	ts: Drilling	\$4	455,639	Completion		\$110,616		Well	Total	\$566,256	
MD	6,150	TVD	6,150	Progress	0	Days	3	MW	0.0	Visc	0.0
Formatio	n:		<b>PBTD</b> : 0.	.0		Perf:			PKR Dep	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: RDR	T/ WO COMPLI	ETION							
Start	End	Hrs	Activity Desc	ription							
06:00	11:00	5.0	RAN 4.5" 11.6#								*
			RIGID- JTD 1- W/FLUTED CS	*			,			JT. PU LANI	DING JT
11:00	12:00	1.0	CIRCULATE W	//RIG PUMP. RI	) FRANK	S WESTATES.	RU HALL	LIBURTON C	CEMENTER. I	HELD SAFET	MEETING.
12:00	13:30	1.5	CEMENT CSG								*
			BBLS @ 12.0 P DISP W/94 BTV	, ,						,	
13:30	14:30	1.0	WAIT ON CEM	IENT. HAUL M	UD TO ST	ORAGE AND	CLEAN P	ITS.			
14:30	15:00	0.5	REMOVE LAN	DING JT. RAN	CSG HAN	NGER PACKOF	FF AND LO	OCKED IN P	OSITION. TE	ST HANGER	TO 5000 PSI.
15:00	19:00	4.0	ND BOP AND I	FINISH CLEAN	ING MUI	TANKS. NO	ACCIDEN	TS. FULL C	REWS.		
			TD A NCEED DE	D 0 ITC (244 27	) 45" 11 4	# N. 90 LTC C	A CINIC TO	NDI 760 1	26E		
			TRANSFERRE TRANSFERRE	`	ĺ			J NBU 700	30E.		
19:00	06:00	11.0	RDRT. LOWER								
			5 MEN 55 MAN	N-HOURS.							
			NO ACCIDENT	rs.							
			TRUCKS SCH	EDULED FOR 0	6:00 HRS	, 5/28/09. MOV	E TO NBU	U 760–36E IS	S APPROXIMA	ATELY 12.5 M	ILES.
0.5.05			DIG DEL E :	D 0 40 00	- 10- 10-						
06:00				D @ 19:00 HRS	•						
			CASING POIN	r COSTS: \$ 455	5,640						

					FORM O
	STATE OF UTAH		FORM 9		
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M		5	5.LEAS	E DESIGNATION AND SERIAL NUMBER: 792
SUNDF	RY NOTICES AND REPORT	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.				or CA AGREEMENT NAME: RAL BUTTES
1. TYPE OF WELL Gas Well					L NAME and NUMBER: 63-19E
2. NAME OF OPERATOR: EOG Resources, Inc.					NUMBER: 383320000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-		HONE NUMBER: ext		D and POOL or WILDCAT: RAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 FSL 1388 FEL				COUNT	
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSE Section: 19	P, RANGE, MERIDIAN: Township: 10.0S Range: 21.0E Meridiar	n: S		STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDIC	ATE N	ATURE OF NOTICE, REPORT,	OR OTH	HER DATA
TYPE OF SUBMISSION			TYPE OF ACTION		
	ACIDIZE		ALTER CASING		CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME
Approximate date work will start:	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	_ n	FRACTURE TREAT		NEW CONSTRUCTION
	OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME		RECLAMATION OF WELL SITE		RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	□ s	SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON
	☐ TUBING REPAIR		VENT OR FLARE		WATER DISPOSAL
DRILLING REPORT     Report Date:	☐ WATER SHUTOFF		SI TA STATUS EXTENSION		APD EXTENSION
6/4/2009	☐ WILDCAT WELL DETERMINATION		OTHER	отн	ER:
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all p	ertinen	t details including dates, depths,	volumes,	etc.
l .	find well chronology report				
'	3, 1				ted by the
					Division of
				-	and Mining
			FOI	RR	ECORD ONLY
					Julie 04, 2009
NAME (PLEASE PRINT) Kaylene Gardner	<b>PHONE NUMBE</b> 435 781-9111	R	TITLE Regulatory Administrator		
SIGNATURE N/A			<b>DATE</b> 6/4/2009		

## WELL CHRONOLOGY REPORT

Report Generated On: 06-04-2009

Well Name	NBU 763-19E	Well Type	DEVG	Division	DENVER
Field	NATURAL BUTTES UNIT	API#	43-047-38332	Well Class	DRIL
County, State	UINTAH, UT	Spud Date	05-25-2009	Class Date	
Tax Credit	N	TVD / MD	6,150/ 6,150	Property #	057879
Water Depth	0	Last CSG	4.5	Shoe TVD / MD	6,150/ 6,150
KB / GL Elev	5,227/ 5,214				
Location	Section 19, T10S, R21E, SWS	SE, 1258 FSL & 1388	FEL		

<b>Event No</b>	1.0	Descr	ription DR	ILL & COMPLET	ГЕ			
Operator	EOG RESOURO	CES, INC WI %	<b>1</b> 00	0.0	NRI %		73.947	
AFE No	303730	AFE	Total	1,141,165	DHC/0	CWC	553,365/ 58	7,800
Rig Contr	ELENBURG	Rig Name	ELENBURG #28	Start Date	07-14-2006	Release	Date	
07-14-2006	Reported By	SHARON	WHITLOCK					
DailyCosts: D	rilling \$0		Completion	\$0	Dail	y Total	\$0	
Cum Costs: D	rilling \$0		Completion	\$0	Wel	l Total	\$0	
MD	0 <b>TVD</b>	0 Prog	gress 0	Days	0 <b>MW</b>	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0.0		Perf:		PKR De	<b>pth:</b> 0.0	

Activity at Report Time: LOCATION DATA

Start End Hrs Activity Description
06:00 06:00 24.0 LOCATION DATA

1258' FSL & 1388' FEL (SW/SE) SECTION 19, T10S, R21E UINTAH COUNTY, UTAH

LAT 39.929292, LONG 109.590150 (NAD 83) LAT 39.929328, LONG 109.589461 (NAD 27)

ELENBURG #28

OBJECTIVE: 6150' TD, WASATCH

DW/GAS

NATURAL BUTTES PROSPECT DD&A: NATURAL BUTTES NATURAL BUTTES FIELD

LEASE: ML 22792

ELEVATION: 5214.4.0' NAT GL, 5214.4' PREP GL (DUE TO ROUNDING PREP GL WILL BE 5214') 5227' KB (13')

EOG BPO WI 100%, NRI 73.946716% EOG APO WI 66.67%, NRI 49.394976%

04-20-2009 Reported By

TERRI CSERE

DailyCosts: Drilling			Completio			_	y Total	\$80,000 \$80,000	
Cum Costs: Drilling	,		Completio		0		Total		0.0
MD 0 Formation :	TVD	0 <b>P</b> : <b>PBTD:</b> 0.0	rogress 0	Days Perf :	0	MW	0.0 <b>PKR De</b> j	Visc	0.0
Formation : Activity at Report [				ren:			r KK Dej	ptii : 0.0	
Start End		vity Descript	tion						
06:00 06:00		ATION START							
	Reported By		I CSERE						
DailyCosts: Drilling	•	)	Completio	<b>on</b> \$0		Daily	y Total	\$80,000	
Cum Costs: Drilling		)	Completio	<b>on</b> \$0		_	Total	\$80,000	
<b>MD</b> 0	TVD	0 <b>P</b> :	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0.0	•	Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	ime: LOCATIO	N BUILD							
Start End	Hrs Acti	vity Descript	tion						
06:00 06:00	24.0 LOC	ATION 15% C	OMPLETE.						
04-22-2009	Reported By	TERR	I CSERE						
DailyCosts: Drilling	\$0		Completio	<b>on</b> \$0		Daily	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Completio	<b>on</b> \$0		Well	Total	\$80,000	
<b>MD</b> 0	TVD	0 <b>P</b>	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	Time: LOCATIO	N BUILD							
Start End	Hrs Acti	vity Descript	tion						
06:00 06:00	24.0 LOC	ATION 40% C	OMPLETE.						
04-23-2009	Reported By	TERR	I CSERE/ KENT D	EVENPORT					
DailyCosts: Drilling	<b>\$</b> 0		Completio	<b>on</b> \$0		Daily	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Completio	<b>on</b> \$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD	60 <b>P</b>	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :		<b>PBTD</b> : 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	Time: SPUD NO	TIFICATION							
Start End		vity Descript							
06:00 06:00	CEM	ENT TO SUR	BOUT SERVICE T FACE WITH REAI OTIFIED BY EMA	OY MIX. CAROL	DANIELS '	W/UDOGM	WAS NOTIFI	ED BY PHONE	E MESSAC
04-27-2009	Reported By	TERR	I CSERE						
DailyCosts: Drilling	\$0		Completio	<b>n</b> \$0		Daily	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Completio	<b>on</b> \$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD	60 <b>P</b>	rogress 0	Days	0	MW	0.0	Visc	0.0
Formation :	]	<b>PBTD</b> : 0.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report	ime: LOCATIO	N BUILD							
Start End	Hrs Acti	vity Descript	tion						

04-28-2009 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD 60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	<b>):</b> 0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATI	ION							
Start End	Hrs Activity I	Description							
06:00 06:00	24.0 PUSHING	OUT PIT.							
04-29-2009 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Dail	y Total	\$0	
<b>Cum Costs: Drilling</b>	\$80,000	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD 60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	<b>):</b> 0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATI	ION							
Start End	Hrs Activity I	Description							
06:00 06:00	24.0 PUSHING	OUT PIT.							
04-30-2009 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD 60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	J		Perf:			PKR De	oth: 0.0	
Activity at Report Ti	me: BUILDING LO	CATION					-		
Start End	Hrs Activity I	Description							
06:00 06:00	24.0 LINE TOD	_							
05-01-2009 Re	eported By	TERRY CSERE							
DailyCosts: Drilling	\$0	Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD 60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	<b>D:</b> 0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity at Report Ti	me: LOCATION BU	ILD							
Start End	Hrs Activity I	Description							
06:00 06:00	24.0 LOCATIO	N COMPLETE.							
05-20-2009 Re	eported By	PETE COMEAU							
DailyCosts: Drilling	\$213,922	Com	pletion	\$0		Dail	y Total	\$213,922	
Cum Costs: Drilling	\$293,922	Com	pletion	\$0		Well	Total	\$293,922	
<b>MD</b> 2,438	<b>TVD</b> 2,4	38 <b>Progress</b>	0	Days	0	MW	0.0	Visc	0.0
Formation :	PBTI	S		Perf:			PKR De <sub>l</sub>		
A 41 14 4 TD 4 TD1							•		
Activity at Report 11									
Activity at Report Ti Start End	Hrs Activity I	Description							

RAN 55 JTS (2409.40.') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2422.40' KB. RDMO CRAIGS RIG #3.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 1500 PSIG. PUMPED 175 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT.

TAIL: MIXED AND PUMPED 400 SACKS (84 BBLS) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/YIELD OF 1.18 CF/SX.

DISPLACED CEMENT W/175 BBLS FRESH WATER. BUMPED PLUG W/500 PSI @ 17:45, 5/11/2009 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE. WOC 2.5 HOURS

TOP JOB # 1: DOWN 6' OF 1' PIPE, MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS DURING ANY PART OF THE OPERATION. WAIT ON CEMENT 4 HOURS.

TOP JOB # 2: MIXED & PUMPED 150 SX (31 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 3.5 HOURS .

TOP JOB # 3: MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS, WOC 3.0 HOURS.

TOP JOB # 4: MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX CEMENT RETURNS AND CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 3 TOOK SURVEYS WHILE DRILLING HOLE @ 1510' = 1.00 DEGREE & 2405' = 2.75 DEGREE.

KENT DEVENPORT NOTIFIED BLM ON ELECTRONIC FORM OF THE SURFACE CASING & CEMENT JOB ON 5/09/2009 @ 08:00 AM.

PETE COMEAU NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/9/2009 @ 08:00 AM.

05-26-20	09 R	eported I	By K	IT HATFIELD							
DailyCost	s: Drilling	\$8	85,130	Cor	npletion	\$0		Dail	y Total	\$85,130	
Cum Cost	ts: Drilling	\$3	379,052	Cor	npletion	\$0		Wel	l Total	\$379,052	
MD	3,805	TVD	3,805	Progress	1,563	Days	1	MW	8.9	Visc	32.0
Formation	n:		<b>PBTD</b> : 0	0.0		Perf:			PKR De <sub>l</sub>	oth: 0.0	
Activity a	t Report Ti	ime: SUR	VEY @ 3805'.								
Start	End	Hrs	<b>Activity Desc</b>	cription							
06:00	11:00	5.0	MOVE ON RIG	G WITH HOWC	ROFT FRO	OM NBU 428	-7E. ABOUT	Γ4 MILE M	IOVE.		
		SET ON STACK AND LOCK DOWN. TEST TO 5000 PSI / OK. RIG UP.									
11:00	14:00	3.0	RIG ON DAYV	VORK @ 11:00	HRS 5/25/0	09					

		N	IPPLE UP ST	ACK & CONT	INUE RIG	UP.					
14:00	17:00	F	LOOR VALVI		VE TO 250	PSI LOW &	5000 PSI HI	GH. TEST AN	NULAR 25	& LOWER KEI 50 PSI LOW &	
17:00	17:30	0.5 II	NSTALL WEA	AR BUSHING.	TALLY, OI	D/ID BHA.					
17:30	20:00		2.5 MAKE UP BIT & BHA. TRIP IN. TAG CEMENT @ 2365'. DRILL OUT COLLAR @ 2377' AND SHOE AT 2422'. DRILL 10' RATHOLE.								
20:00	20:30	0.5 R	0.5 RUN FIT TEST TO EMW OF 11.1 PPG @ 2438'.								
		S	URVEY @ 24	$00' = 1.0^{\circ}$							
20:30	21:30	1.0 "	SPUD" 20:30 l	HRS 5/25/09							
		Г	RILLING: 24	22–2665' (243'	) AVG 243	FPH					
		1	5–18K WOB,	ROTARY 65-7	75, MTR=13	35, PRESS= 1	500 PSI, DIF	FF= 400-500 P	SI. MW=	8.9 / 32 VIS.	
21:30	22:00	0.5 R	IG SERVICE								
22:00	23:00	1.0 R	IG REPAIR:	REPLACE SW	IVEL MOT	OR.					
23:00	05:00	6.0 E	RILLING: 26	65-3805' ( 114	0') AVG 19	0 FPH (INST	TANTANEO	US ROP = 250	– 350 FPH.	.)	
		1	7–20K WOB,	ROTARY 65-7	75, MTR=13	35, PRESS= 1	900 PSI, DIF	FF= 400-500 P	SI. MW=	9.1 / 32 VIS	
05:00	06:00	1.0 S	URVEY @ 38	05' = 1.0°							
		S	AFETY MEE	TINGS: RIGGI	NG UP IN	THE MUD. S	URVEYING	. FULL CREV	VS / NO AC	CIDENTS.	
		F	UEL = 3477 C	GAL							
		В	HA = 75 HRS	, JARS = WEL	L #3						
05-27-2009	Re	ported By	K	IT HATFIELD							
DailyCosts:	Drilling	\$34	,423	Cor	mpletion	\$2,296		Daily '	Total	\$36,719	
<b>Cum Costs:</b>	Drilling	\$41	3,475	Cor	mpletion	\$2,296		Well T	otal	\$415,771	
MD	6,150	TVD	6,150	Progress	2,345	Days	2	MW	9.8	Visc	40.0
Formation:			<b>PBTD</b> : 0	.0		Perf:			PKR Dej	<b>pth:</b> 0.0	
Activity at R	Report Ti	me: RUN 4	1/2" CASING	ł.							

Activity a	t Keport II	inc. Ron	14 I/2 CASING.
Start	End	Hrs	Activity Description
06:00	16:30	10.5	DRILLING: 3805–5660' (1855') AVG 177 FPH
			15–20K WOB, ROTARY 65–75, MTR=135, PRESS= 2300 PSI, DIFF= 600–700 PSI. MW= 9.6 / 34 VIS.
16:30	17:00	0.5	RIG SERVICE
17:00	21:00	4.0	DRILLING: 5660-6150' (490') AVG 123 FPH.
			PARAMETERS AS ABOVE.
			MW=9.8, VIS = 40
21:00	21:30	0.5	CIRCULATE
21:30	22:30	1.0	SHORT TRIP 10 STANDS
22:30	00:00	1.5	CIRCULATE OUT HI VIS SWEEP. SPOT 200 BBLS 12 PPG MUD ON BOTTOM.
00:00	05:00	5.0	TRIP OUT LAYING DOWN DRILL PIPE. HOLE IN GOOD SHAPE, NO TITE SPOTS.
05:00	06:00	1.0	HOLD SAFETY MEETING. JOB DISCUSSION. RIG UP FRANKS TO RUN CASING.
			SAFETY MEETINGS: LDDP, RUNNING CASING, MIXING MUD.
			FULL CREWS
			NO ACCIDENTS.
			COM SET TO TRIP.
			FUEL = 2586  GAL

BHA = 89.5 HRS, JARS = WELL #3.

05-28-20	09 Re	eported l	Ву В	RIAN DUTTON							
DailyCost	s: Drilling	\$	663,798	Com	pletion	\$108,320		Dail	y Total	\$172,119	
Cum Cost	ts: Drilling	\$	3477,274	Com	pletion	\$110,616		Well	Total	\$587,891	
MD	6,150	TVD	6,150	Progress	0	Days	3	MW	0.0	Visc	0.0
Formation	n:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Ti	me: RDR	RT/WO COMPLE	CTION							
Start	End	Hrs	<b>Activity Desc</b>	ription							
06:00	11:00	5.0	RAN 4.5" 11.6#								*
			RIGID- JTD 1- W/FLUTED CS	*			,			G JT. PU LANI	DING JT
11:00	12:00	1.0	CIRCULATE W	//RIG PUMP. RI	) FRANK	S WESTATES.	RU HALL	LIBURTON C	EMENTER. I	HELD SAFETY	MEETING.
12:00	13:30	1.5	CEMENT CSG								*
			BBLS @ 12.0 P DISP W/94 BTV	, ,			,			,	
13:30	14:30	1.0	WAIT ON CEM			,			o. BLLD OIT	, I LOMIS IILL	
14:30	15:00	0.5	REMOVE LAN	DING JT. RAN	CSG HAN	IGER PACKOF	F AND LO	OCKED IN P	OSITION. TE	ST HANGER	ΓΟ 5000 PSI.
15:00	19:00	4.0	ND BOP AND	FINISH CLEAN	ING MUI	TANKS. NO	ACCIDEN	TS. FULL CI	REWS.		
			TRANSFERRE	`				O NBU 760–3	36E.		
			TRANSFERRE								
19:00	06:00	11.0	RDRT. LOWER	DERRICK @ 1	9:30 HRS	. CONTINUED	RDRT.				
			5 MEN 55 MAN	N_HOURS							
			NO ACCIDENT								
				EDULED FOR 0	6:00 HRS	, 5/28/09. MOV	E TO NBU	U 760–36E IS	S APPROXIM.	ATELY 12.5 M	ILES.
06:00			RIG RELEASE	D @ 19:00 HRS	, 5/27/09.						
			CASING POIN	T COSTS: \$ 455	5,640						

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML 22792
SUNDF	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	sals to drill new wells, significantly deepe igged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 763-19E		
2. NAME OF OPERATOR: EOG Resources, Inc.			<b>9. API NUMBER:</b> 43047383320000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-9	PHONE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 FSL 1388 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSE Section: 19	P, RANGE, MERIDIAN: Township: 10.0S Range: 21.0E Meridian:	: S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	CHANGE WELL NAME
Approximate date work will start.	CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Date: 6/11/2009	☐ WILDCAT WELL DETERMINATION	OTHER	
			OTHER:
Completion opera	MPLETED OPERATIONS. Clearly show all per ations are scheduled to begin	on or about 6/29/2009.  A  Oil  FOR	Accepted by the Itah Division of I, Gas and Mining RECORD ONLY
NAME (PLEASE PRINT) Kaylene Gardner	<b>PHONE NUMBE</b> 435 781-9111	R TITLE Regulatory Administrator	
SIGNATURE N/A		<b>DATE</b> 6/11/2009	

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML 22792
SUNDE	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for propos bottom-hole depth, reenter plu DRILL form for such proposals.	n existing wells below current Use APPLICATION FOR PERMIT TO	7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 763-19E
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047383320000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	I, UT, 84078 435 781-9	PHONE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 FSL 1388 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSE Section: 19	<b>P, RANGE, MERIDIAN:</b> Township: 10.0S Range: 21.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF WILDCAT WELL DETERMINATION MPLETED OPERATIONS. Clearly show all per	on 6/11/2009, waiting on <b>/</b> <b>/</b> <b>Oi</b>	CASING REPAIR CHANGE WELL NAME CONVERT WELL TYPE NEW CONSTRUCTION PLUG BACK RECOMPLETE DIFFERENT FORMATION TEMPORARY ABANDON WATER DISPOSAL APD EXTENSION OTHER: Volumes, etc.  Accepted by the Utah Division of I, Gas and Mining R RECORD
NAME (PLEASE PRINT) Mickenzie Thacker	<b>PHONE NUMBEI</b> 435 781-9145	R TITLE Operations Clerk	
SIGNATURE N/A	433 101-3143	DATE 6/18/2009	

	STATE OF UTAH		FORM 9				
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML 22792				
SUND	SUNDRY NOTICES AND REPORTS ON WELLS						
	sals to drill new wells, significantly deepen igged wells, or to drill horizontal laterals. l		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES				
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 763-19E						
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047383320000				
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	al, UT, 84078 435 781-91	PHONE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 FSL 1388 FEL			COUNTY: UINTAH				
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSE Section: 19	IP, RANGE, MERIDIAN: Township: 10.0S Range: 21.0E Meridian:	S	STATE: UTAH				
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME				
Approximate date work will start.	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT     Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
6/26/2009	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR CO	DMPLETED OPERATIONS. Clearly show all per	rtinent details including dates, depths, v	olumes, etc.				
	as occurred since last submis		.,				
<b>,</b>		<b>A</b>	Accepted by the				
			Jtah Division of				
			l, Gas and Mining				
		FOR	R RECORD ONLY				
			June 29, 2009				
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE					
Mickenzie Thacker	435 781-9145	Operations Clerk					
SIGNATURE N/A		<b>DATE</b> 6/26/2009					

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: ML 22792
SUNDR	RY NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deeper igged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 763-19E
2. NAME OF OPERATOR: EOG Resources, Inc.			9. API NUMBER: 43047383320000
3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Verna	ıl, UT, 84078 435 781-9	PHONE NUMBER: 111 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 FSL 1388 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SWSE Section: 19	P, RANGE, MERIDIAN: Township: 10.0S Range: 21.0E Meridian:	S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	CHANGE TUBING	☐ CHANGE WELL NAME
Approximate date work will start.	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	☐ REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	WATER DISPOSAL
✓ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
7/1/2009	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
	MPLETED OPERATIONS. Clearly show all peons for the referenced well be see the attached well chrono	gan on 6/29/2009. Please vlogy. <b>F</b> U <b>Oi</b> l	Accepted by the Utah Division of I, Gas and Mining RECORD ONLY
NAME (PLEASE PRINT) Mickenzie Thacker	<b>PHONE NUMBER</b> 435 781-9145	TITLE Operations Clerk	
SIGNATURE	755 / 01 / 175	DATE	
N/A		7/1/2009	

## WELL CHRONOLOGY REPORT

Report Generated On: 07-01-2009

Well Name	NBU 763-19E	Well Type	DEVG	Division	DENVER		
Field	NATURAL BUTTES UNIT	API#	43-047-38332	Well Class	COMP		
County, State	UINTAH, UT	Spud Date	05-25-2009	Class Date			
Tax Credit	N	TVD / MD	6,150/6,150	Property #	057879		
Water Depth	0	Last CSG	4.5	Shoe TVD / MD	6,150/ 6,150		
KB / GL Elev	5,227/ 5,214						
Location	Section 19, T10S, R21E, SWSE, 1258 FSL & 1388 FEL						

DRILL & COMPLETE

Operator	EO	G RESOURC	ES, INC	WI %	100.	.0		NRI %		73.947	
AFE No		303730		AFE To	otal	1,141,165		DHC/	CWC	553,3	65/ 587,800
Rig Contr	ELE	NBURG	Rig Nam	e EI	LENBURG #28	Start Date	07-	-14-2006	Release	Date	05-27-2009
07-14-2006	Re	eported By	S	HARON W	HITLOCK						
DailyCosts: Dr	rilling	\$0			Completion	\$0		Dai	ly Total	\$0	
Cum Costs: Dr	rilling	\$0			Completion	\$0		Wel	l Total	\$0	
MD	0	TVD	0	Progres	<b>ss</b> 0	Days	0	MW	0.0	Visc	0.0
Formation:			<b>PBTD</b> : (	0.0		Perf:			PKR De	<b>epth:</b> 0.0	)

Activity at Report Time: LOCATION DATA

1.0

**Event No** 

Start End Hrs Activity Description
06:00 06:00 24.0 LOCATION DATA

1258' FSL & 1388' FEL (SW/SE) SECTION 19, T10S, R21E UINTAH COUNTY, UTAH

LAT 39.929292, LONG 109.590150 (NAD 83) LAT 39.929328, LONG 109.589461 (NAD 27)

**Description** 

ELENBURG #28

OBJECTIVE: 6150' TD, WASATCH

DW/GAS

NATURAL BUTTES PROSPECT DD&A: NATURAL BUTTES NATURAL BUTTES FIELD

LEASE: ML 22792

ELEVATION: 5214.4.0' NAT GL, 5214.4' PREP GL (DUE TO ROUNDING PREP GL WILL BE 5214') 5227' KB (13')

EOG BPO WI 100%, NRI 73.946716% EOG APO WI 66.67%, NRI 49.394976%

04–20–2009 Reported By TERRI CSERE

DailyCosts: Drilling				pletion	\$0 \$0			y Total	\$80,000 \$80,000	
Cum Costs: Drilling				pletion		0		Total		0.0
MD 0	TVD	0 <b>DTD</b> - 0.4	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation : Activity at Report T		<b>PBTD</b> : 0.0	U		Perf:			PKR De	<b>pin :</b> 0.0	
Start End			.intion							
06:00 06:00		<b>vity Descr</b> ATION STA	=							
	eported By		RRI CSERE							
DailyCosts: Drilling	•			pletion	\$0		Dail	y Total	\$80,000	
Cum Costs: Drilling				pletion	\$0			Total	\$80,000	
<b>MD</b> 0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	I	<b>PBTD</b> : 0.0	O		Perf:			PKR De	<b>pth</b> : 0.0	
Activity at Report T	ime: LOCATIO	N BUILD						•		
Start End	Hrs Activ	vity Descr	ription							
06:00 06:00	24.0 LOC	ATION 15%	6 COMPLETE.							
04-22-2009 R	eported By	TE	RRI CSERE							
DailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Con	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 0	TVD	0	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	I	<b>PBTD</b> : 0.0	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report T	ime: LOCATIO	N BUILD								
Start End	Hrs Activ	vity Descr	ription							
06:00 06:00	24.0 LOC	ATION 40%	6 COMPLETE.							
04-23-2009 R	eported By	TE	RRI CSERE/ K	ENT DEV	ENPORT					
DailyCosts: Drilling	\$0		Con	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Com	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	I	<b>PBTD</b> : 0.0	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report T	ime: SPUD NO	ΓΙΓΙCΑΤΙΟ	N							
Start End	Hrs Activ	vity Descr	ription							
06:00 06:00	CEM	ENT TO SU	URFACE WITH	I READY	MIX. CAROL	DANIELS V	W/UDOGM	WAS NOTIFI	OF 14" CONDUC ED BY PHONE DRILLING RO	E MESSAC
04-27-2009 R	eported By	TE	RRI CSERE							
DailyCosts: Drilling	\$0		Com	pletion	\$0		Dail	y Total	\$0	
Cum Costs: Drilling	\$80,000	)	Con	pletion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	TVD	60	Progress	0	Days	0	MW	0.0	Visc	0.0
Formation :	I	<b>PBTD</b> : 0.0	0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity at Report T	ime: LOCATIO	N BUILD								
Start End	Hrs Activ	vity Descr	ription							
		5	-P-1-0-1-							

04-28-2009 R	eported By TI	ERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily	y Total	\$0	
<b>Cum Costs: Drilling</b>	\$80,000	Completion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	<b>TVD</b> 60	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0	<u> </u>	Perf :			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATION					-		
Start End	Hrs Activity Desc	ription						
06:00 06:00	24.0 PUSHING OUT	-						
04-29-2009 Re	eported By TI	ERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily	y Total	\$0	
<b>Cum Costs: Drilling</b>	\$80,000	Completion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	<b>TVD</b> 60	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0	.0	Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILD LOCATION							
Start End	Hrs Activity Desc	ription						
06:00 06:00	24.0 PUSHING OUT	ΓPIT.						
04-30-2009 Re	eported By TI	ERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily	y Total	\$0	
Cum Costs: Drilling	\$80,000	Completion	\$0		-	Total	\$80,000	
<b>MD</b> 60	<b>TVD</b> 60	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0	o .	Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: BUILDING LOCATI	ON				•		
Start End	Hrs Activity Desc	ription						
06:00 06:00	24.0 LINE TODAY.	•						
05-01-2009 Re	eported By TI	ERRY CSERE						
DailyCosts: Drilling	\$0	Completion	\$0		Daily	y Total	\$0	
<b>Cum Costs: Drilling</b>	\$80,000	Completion	\$0		Well	Total	\$80,000	
<b>MD</b> 60	<b>TVD</b> 60	Progress 0	Days	0	MW	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 0	.0	Perf:			PKR Dep	oth: 0.0	
Activity at Report Ti	me: LOCATION BUILD							
Start End	Hrs Activity Desc	ription						
06:00 06:00	24.0 LOCATION CO	OMPLETE.						
05-03-2009 R	eported By SI	EARLE						
DailyCosts: Drilling	\$0	Completion	\$36,300		Daily	y Total	\$36,300	
Cum Costs: Drilling	\$80,000	Completion	\$36,300		•	Total	\$116,300	
<b>MD</b> 6,150	<b>TVD</b> 6,150	Progress 0	Days	4	MW	0.0	Visc	0.0
Formation :	<b>PBTD</b> : 6	_	Perf:			PKR Dep		
Activity at Report Ti	me: PREP FOR FRACS					•		
Start End	Hrs Activity Desc	ription						
06:00	· ·	MBERGER. LOG WITH R	RST/CBL/CCL/V	DL/GR F	ROM PBTD	TO 680'. EST	CEMENT TOP	P @ 940'.
		-						

Well Name: NBU 763–19E Field: NATURAL BUTTES UNIT Property: 057879

05–20–2009 Reported By PETE COMEAU

\$213,922 Completion **Daily Total** \$213,922 DailyCosts: Drilling \$0 \$293,922 \$330,222 **Cum Costs: Drilling** Completion \$36,300 Well Total 0.0 MD 2,438 **TVD** 2,438 **Progress** Days MW0.0 Visc

Formation: PBTD: 0.0 Perf: PKR Depth: 0.0

**Activity at Report Time: WORT** 

Start End Hrs Activity Description

06:00 06:00 24.0 MIRU CRAIG'S AIR RIG #3 ON 5/07/2009. DRILLED 12–1/4" HOLE TO 2425' GL (2438' KB). ENCOUNTERED

WATER @ 1540'. DRILLED WITH FLUID FROM 1560' TO TOTAL DEPTH WITH NO RETURNS.

RAN 55 JTS (2409.40.') OF 9–5/8", 36.0#, J–55, ST&C CASING WITH HALLIBURTON GUIDE SHOE AND FLOAT COLLAR. 8 CENTRALIZERS SPACED MIDDLE OF SHOE JOINT AND EVERY COLLAR TILL GONE. LANDED @ 2422.40' KB. RDMO CRAIGS RIG #3.

MIRU HALLIBURTON CEMENTERS. HELD SAFETY MEETING. PRESSURE TESTED LINES AND CEMENT VALVE TO 1500 PSIG. PUMPED 175 BBLS FRESH WATER & 20 BBLS GELLED WATER FLUSH AHEAD OF CEMENT.

TAIL: MIXED AND PUMPED 400 SACKS (84 BBLS) OF PREMIUM CEMENT W/ 2% CACL MIXED CEMENT @ 15.6 PPG W/YIELD OF 1.18 CF/SX.

DISPLACED CEMENT W/175 BBLS FRESH WATER. BUMPED PLUG W/500 PSI @ 17:45, 5/11/2009 FLOATS HELD. NO RETURNS OF CEMENT TO SURFACE. WOC 2.5 HOURS

TOP JOB # 1: DOWN 6' OF 1' PIPE, MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS DURING ANY PART OF THE OPERATION. WAIT ON CEMENT 4 HOURS.

TOP JOB # 2: MIXED & PUMPED 150 SX (31 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS. WOC 3.5 HOURS .

TOP JOB # 3: MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX. NO RETURNS, WOC 3.0 HOURS.

TOP JOB # 4: MIXED & PUMPED 100 SX (21 BBLS) OF PREMIUM CEMENT W/2% CACL2. MIXED CEMENT @ 15.8 PPG W/YIELD OF 1.15 CF/SX CEMENT RETURNS AND CEMENT STOOD AT SURFACE. RELEASE HALLIBURTON.

PREPARED LOCATION FOR ROTARY RIG. WORT. WILL DROP FROM REPORT UNTIL FURTHER ACTIVITY.

CRAIGS RIG 3 TOOK SURVEYS WHILE DRILLING HOLE @

1510' = 1.00 DEGREE & 2405' = 2.75 DEGREE.

KENT DEVENPORT NOTIFIED BLM ON ELECTRONIC FORM OF THE SURFACE CASING & CEMENT JOB ON 5/09/2009 @ 08:00 AM.

PETE COMEAU NOTIFIED CAROL DANIELS WITH UDOGM OF THE SURFACE CASING & CEMENT JOB ON 5/9/2009 @ 08:00 AM.

05–26–2009 Reported By KIT HATFIELD

DailyCost	s: Drilling	\$83	5,130	Co	mpletion	\$0		Dail	ly Total	\$85,130	
Cum Cost	s: Drilling	\$3	79,052	Co	mpletion	\$36,300		Wel	l Total	\$415,352	
MD	3,805	TVD	3,805	Progress	1,563	Days	1	MW	8.9	Visc	32.0
Formation	ı:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Tiı	ne: SURV	EY @ 3805'.								
Start	End	Hrs A	Activity Desc	ription							
06:00	11:00	5.0 1	MOVE ON RIC	WITH HOW	CROFT FRO	OM NBU 428-7	E. ABOU	Γ4 MILE M	IOVE.		
		S	SET ON STACI	K AND LOCK	DOWN. TE	ST TO 5000 PS	I/OK. R	IG UP.			
11:00	14:00	3.0 I	RIG ON DAYW	ORK @ 11:00	) HRS 5/25/	)9					
		1	NIPPLE UP ST.	ACK & CONT	INUE RIG	UP.					
14:00	17:00	I	FLOOR VALVE	E & DART VA	LVE TO 250	MS, CHOKE, C PSI LOW & 50 500 PSI FOR 30	000 PSI H	IGH. TEST	ANNULAR 2		
17:00	17:30	0.5 I	NSTALL WEA	AR BUSHING.	TALLY, O	O/ID BHA.					
17:30	20:00		MAKE UP BIT DRILL 10' RAT		P IN. TAG C	EMENT @ 236	55'. DRIL	L OUT COI	LAR @ 2377	' AND SHOE A	Т 2422'.
20:00	20:30	0.5 I	RUN FIT TEST	TO EMW OF	11.1 PPG @	2438'.					
		S	SURVEY @ 24	00' = 1.0°							
20:30	21:30	1.0 I	ORILLING: 24	22–2665' (243	') AVG 243	FPH					
		1	5–18K WOB,	ROTARY 65-	75, MTR=13	5, PRESS= 150	0 PSI, DII	FF= 400-500	PSI. MW=	8.9 / 32 VIS.	
21:30	22:00	0.5 I	RIG SERVICE								
22:00	23:00	1.0 I	RIG REPAIR: 1	REPLACE SW	VIVEL MOT	OR.					
23:00	05:00	6.0 I	ORILLING: 26	65-3805' ( 114	40') AVG 19	0 FPH (INSTA	NTANEO	OUS ROP = 2	250 – 350 FPH	.)	
		1	7–20K WOB,	ROTARY 65-	75, MTR=13	5, PRESS= 190	0 PSI, DII	FF= 400-500	PSI. MW=	9.1 / 32 VIS	
05:00	06:00	1.0 \$	SURVEY @ 38	05' = 1.0°							
		\$	SAFETY MEET	ΓINGS: RIGG	ING UP IN	ГНЕ MUD. SUI	RVEYING	. FULL CR	EWS / NO AC	CCIDENTS.	
		I	FUEL = 3477 G	GAL							
		I	3HA = 75 HRS	, JARS = WEI	LL #3						
06:00		S	SPUD 7 7/8" H	OLE AT 20:30	HRS, 5/25/0	)9.					
05-27-20	09 Re	ported B	y K	IT HATFIELD	)						
DailyCost	s: Drilling	\$34	4,423	Co	mpletion	\$2,296		Dail	ly Total	\$36,719	
Cum Cost	s: Drilling	\$4	13,475		mpletion	\$38,596			l Total	\$452,071	
MD	6,150	TVD	6,150	Progress	2,345	Days	2	MW	9.8	Visc	40.0
Formation	1:		<b>PBTD</b> : 0	.0		Perf:			PKR De	<b>pth:</b> 0.0	
Activity a	t Report Tii	ne: RUN 4	1/2" CASING	ł.							
Start	End	Hrs A	Activity Desc	ription							
06:00	16:30		ORILLING: 38	=	5') AVG 17	FPH					
		1	5-20K WOB,	ROTARY 65–	75, MTR=13	5, PRESS= 230	0 PSI, DII	FF= 600-700	PSI. MW=	9.6 / 34 VIS.	
16:30	17:00		RIG SERVICE				,				
17:00	21:00		ORILLING: 56	60–6150' (490	') AVG 123	FPH.					
			PARAMETERS	,							
			MW=9.8, VIS =								

24.55										
21:30	22:30		TRIP 10 STAN		200 DDI G 12 D	DC MUD	ON DOTTOM			
22:30 00:00	00:00 05:00			VIS SWEEP. SPOT OWN DRILL PIPE				гѕ		
05:00	06:00			TING. JOB DISCU						
03.00	00.00	1.0 HOLD	SAN ETT WILLI	invo. Job Disco	bblott. Rid o	TIVITA	is to kerverish	10.		
		SAFET	Y MEETINGS:	LDDP, RUNNING	CASING, MIX	NG MUI	).			
		FULL C	CREWS							
		NO ACC	CIDENTS.							
		COM S	ET TO TRIP.							
			2586 GAL							
		BHA =	89.5 HRS, JAR	S = WELL #3.						
05-28-2009	Re	eported By	BRIAN D	UTTON						
DailyCosts:	Drilling	\$63,798		Completion	\$108,320		Daily Tota	al	\$172,119	
<b>Cum Costs:</b>	Drilling	\$477,274		Completion	\$146,916		Well Tota	1	\$624,191	
MD	6,150	TVD	6,150 <b>Prog</b>	ress 0	Days	3	MW	0.0	Visc	0.0
Formation :		PB	<b>TD</b> : 0.0		Perf:		Pl	KR De	<b>pth</b> : 0.0	
Activity at I	Report Ti	me: RDRT/WO C	OMPLETION							
Start I	End	Hrs Activit	y Description	l						
06:00	11:00			LTC CASING (FS,						,
				VSPRING EVERY IGER. LAND CSG					.G JT. PU LAND	ING JT
11:00	12:00			UMP. RD FRANKS				,	HELD SAFETY	MEETING
12:00	13:30	1.5 CEMEN	NT CSG AS FOI	LLOWS: PUMPED	BOTTOM PLU	G, 20 BB	LS MUDFLUSH I	II, 400 S	SX HIGHBONE	75 (131
				4 CFS) & 580 SX I AL LIFT PRESSUR					<i>'</i>	
13:30	14:30			IAUL MUD TO ST				ED ON	r, FLOAIS HEL	υ.
13.30	14.50	1.0 WAIT	ON CLIVILIVI. II	IACL MOD 1031	OKAGE AIND C	LLANTI	.15.			
14:30	15:00	0.5 REMOV	VE LANDING J	T. RAN CSG HAN	GER PACKOFF	AND LC	OCKED IN POSITI	ION. TE	EST HANGER T	O 5000 PSI
15:00	19:00	4.0 ND BO	P AND FINISH	CLEANING MUD	TANKS. NO A	CCIDEN	ΓS. FULL CREWS	<b>5.</b>		
		TRANS	FERRED 8 JTS	3 (344.27) 4.5" 11.6	# N–80 LTC CA	SING TO	NBU 760-36E.			
		TRANS	FERRED 2463	GALS DIESEL TO	NBU 760-36E	•				
19:00	06:00	11.0 RDRT.	LOWER DERR	ICK @ 19:30 HRS.	CONTINUED	RDRT.				
		5 MEN	SS MAN HOU	D.C.						
			55 MAN–HOU CIDENTS.	KS.						
				D FOR 06:00 HRS,	5/28/09 MOVE	TO NRI	1 760_36F IS APPI	ROXIM	ATFLY 12.5 MI	IFS
		ikeen	S SCIED CEL	D 1 OK 00.00 11KS,	3/20/07. WOVE	TONDO	700 302 1371171	COZIIIVI	741EE1 12.5 WII	LLS.
06:00		RIG RE	LEASED @ 19	:00 HRS, 5/27/09.						
		CASING	G POINT COST	CS: \$ 455,640						
06-03-2009	Re	eported By	SEARLE							
DailyCosts:		\$0		Completion	\$36,300		Daily Tota	al	\$36,300	
-	_	\$477,274		_	\$183,216		Well Tota		\$660,491	
	_		6.150 <b>Prog</b>	-		4			Visc	0.0
Cum Costs:	_		6,150 <b>Prog</b>	Completion	\$183,216 <b>Days</b>	4	_		\$660,491 <b>Visc</b>	

Formation: PBTD: 6107.0 Perf: PKR Depth: 0.0

Activity at Report Time: PREP FOR FRACS

Start End Hrs Activity Description

 $06:00 \hspace{1.5cm} 06:00 \hspace{1.5cm} 24.0 \hspace{1.5cm} \text{MIRU SCHLUMBERGER. LOG WITH RST/CBL/CCL/VDL/GR FROM PBTD TO } 670". \hspace{0.5cm} \text{EST CEMENT TOP } @ \hspace{0.5cm} 940".$ 

RD SCHLUMBERGER.

06-27-2009 Reported By **MCCURDY** \$1,388 DailyCosts: Drilling \$0 **Daily Total** Completion \$1.388 \$184,604 **Cum Costs: Drilling** \$477,274 Completion **Well Total** \$661.879 0.0 0.0 MD 6,150 **TVD** 6,150 **Progress** Days 5 MWVisc **Formation: PBTD**: 6107.0 Perf: PKR Depth: 0.0

Activity at Report Time: WO COMPLETION

Start End Hrs Activity Description

06:00 06:00 24.0 NU 10M FRAC TREE. PRESSURE TESTED FRAC TREE & CASING TO 6500 PSIG. WO COMPLETION.

06-30-2009	Re	ported By	M	CCURDY							
DailyCosts: Dri	illing	\$0		Com	pletion	\$82,344		Daily	Total	\$82,344	
Cum Costs: Dr	illing	\$477	,274	Com	pletion	\$266,948		Well 7	<b>Total</b>	\$744,223	
<b>MD</b> 6	,150	TVD	6,150	Progress	0	Days	6	MW	0.0	Visc	0.0
Formation: WA	ASATC	Н	<b>PBTD</b> : 6	107.0		Perf: 5029'-	6041'		PKR Der	oth: 0.0	

Activity at Report Time: PREP TO MIRUSU

Start End Hrs Activity Description

06:00 06:00 24.0 RU CUTTERS WIRELINE & PERFORATE Ba FROM 5688'-90', 5701'-03', 5708'-10', 5879'-80', 5966'-67',

5973'-74', 5987'-89', 6040'-41' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL K-87 MICROBIOCIDE, 8437 GAL 16# LINEAR W/11100# 20/40 SAND @ 1-1.5 PPG , 23025 GAL 16# DELTA 140 W/76100# 20/40 SAND @ 2-4 PPG. MTP 4212 PSIG. MTR 52.1 BPM. ATP 3579 PSIG. ATR 44.5

BPM. ISIP 2354 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 5350'. PERFORATE Ca FROM 5212'-13', 5234'-35', 5241'-43', 5251'-52', 5255'-56', 5286'-88', 5295'-97', 5301'-02', 5323'-24' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL K-87 MICROBIOCIDE, 27286 GAL 16# DELTA 140 W/105500# 20/40 SAND @ 4 PPG. MTP 4119 PSIG. MTR 51.3 BPM. ATP 3541 PSIG. ATR 49.7 BPM. ISIP 2560 PSIG. RD HALLIBURTON.

RUWL. SET 6K CFP AT 5110'. PERFORATE Ca FROM 5029'-31', 5036'-38',5047'-48', 5058'-60', 5071'-73', 5075'-77', 5082'-83' @ 3 SPF @ 120 DEGREE PHASING. RDWL. RU HALLIBURTON, FRAC DOWN CASING W/42 GAL K-87 MICROBIOCIDE, 19889 GAL 16# DELTA 140 W/76300# 20/40 SAND @ 4 PPG. MTP 5896 PSIG. MTR 50.7 BPM. ATP 3904 PSIG. ATR 45.1 BPM. ISIP 2300 PSIG. RDHALLIBURTON.

RUWL. SET 6K CBP AT 4913'. RD CUTTERS WIRELINE.

AMENDED REPORT STATE OF UTAH FORM 8 DEPARTMENT OF NATURAL RESOURCES (highlight changes) DIVISION OF OIL, GAS AND MINING 5 LEASE DESIGNATION AND SERIAL NUMBER: ML-22792 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG UNIT or CA AGREEMENT NAME 1a. TYPE OF WELL GAS V OTHER Natural Buttes 8. WELL NAME and NUMBER b. TYPE OF WORK DIFF. RESVR RE-ENTRY Natural Buttes Unit 763-19E WELL 🔽 OTHER 9 API NUMBER: 2. NAME OF OPERATOR EOG RESOURCES, INC. 43-047-38332 10 FIELD AND POOL, OR WILDCAT PHONE NUMBER: 3. ADDRESS OF OPERATOR: (435) 781-9145 Natural Buttes UT 84078 1060 EAST HWY 40 **VERNAL** QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1258 FSL & 1388 FEL 39.929292 Lat 109,590150 Lon SWSE 19 10S 21E S AT TOP PRODUCING INTERVAL REPORTED BELOW: SAME 12 COUNTY 13 STATE UTAH AT TOTAL DEPTH: SAME Uintah 14 DATE SPUDDED: 15 DATE LD REACHED 16. DATE COMPLETED: ELEVATIONS (DF, RKB, RT, GL): READY TO PRODUCE 🗸 ABANDONED 5214' GL 5/26/2009 4/23/2009 7/9/2009 DEPTH BRIDGE MD 19 PLUG BACK T.D.: MD 6.107 18. TOTAL DEPTH: MD 20 IF MULTIPLE COMPLETIONS, HOW MANY? \* 6,150 PLUG SET TVD 22 TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) WAS WELL CORED? NO 🔽 YES [ (Submit analysis) RST/CBL/CCL/VDL/GR NO 🔽 YES -WAS DST RUN? (Submit report) NO V YES [ DIRECTIONAL SURVEY? (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER CEMENT TYPE & SLURRY CEMENT TOP \*\* AMOUNT PULLED TOP (MD) BOTTOM (MD) WEIGHT (#/ft.) HOLE SIZE SIZE/GRADE VOLUME (BBL) DEPTH NO. OF SACKS 850 0 12.25 9.625 J-55 36.0 0 2,422 940 11.6 0 4,990 980 7.875 4.5 P-110 25. TUBING RECORD PACKER SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) 5,107 2.375 27. PERFORATION RECORD 26. PRODUCING INTERVALS WSMVD/Unit PERFORATION STATUS FORMATION NAME BOTTOM (MD) TOP (TVD) BOTTOM (TVD) INTERVAL (Top/Bot - MD) SIZE NO HOLES TOP (MD) 3/SPF 5.029 6.041 5,688 6,041 Open Squeezed (A) Wasatch Squeezed (B) 5.212 5.324 3/SPF Open 5.029 5.083 3/SPF Open Saueezed (C) 3/SPF Open Squeezed 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND TYPE OF MATERIAL 31,504 GALS OF GELLED WATER & 87,200# 20/40 SAND 5688-6041 27,328 GALS OF GELLED WATER & 105,500# 20/40 SAND 5212-5324 19.913 GALS OF GELLED WATER & 76,300# 20/40 SAND 5029-5083 30. WELL STATUS: 29. ENCLOSED ATTACHMENTS: DST REPORT DIRECTIONAL SURVEY GEOLOGIC REPORT ELECTRICAL/MECHANICAL LOGS PRODUCING OTHER: CORE ANALYSIS SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

0.4	I S DETECT A D	DOCUMENTAL

#### INTERVAL A (As shown in item #26)

DATE FIRST PR	RODUCED:	TEST DATE: 7/12/200	<del></del> 9	HOURS TESTE	D: <b>24</b>	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS - MCF: 218	WATER – BBL: <b>240</b>	PROD. METHOD: Flows
CHOKE SIZE: 16/64	TBG PRESS	CSG PRESS	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF: 218	WATER - BBL	INTERVAL STATUS: Producing
				IN.	TERVAL B (As show	vn in item #26)				
DATE FIRST PR	RODUCED:	TEST DATE:		HOURS TESTE	D:	TEST PRODUCTION RATES: →	OIL – BBL	GAS - MCF:	WATER – BBL:	PROD METHOD:
CHOKE SIZE:	TBG PRESS	CSG PRESS	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER – BBL:	INTERVAL STATUS:
				IN'	TERVAL C (As show	wn in item #26)	4			
DATE FIRST PR	RODUCED:	TEST DATE:		HOURS TESTE	D:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER – BBL:	PROD_METHOD:
CHOKE SIZE:	TBG, PRESS	CSG PRESS	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS
	-			IN	TERVAL D (As show	wn in item #26)				
DATE FIRST PF	RODUCED:	TEST DATE:		HOURS TESTE	ED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER – BBL:	PROD: METHOD:
CHOKE SIZE:	TBG PRESS	CSG PRESS	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER – BBL:	INTERVAL STATUS

#### 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Wasatch	5,029	6,041		Green River Birds Nest Zone Mahogany Uteland Butte Wasatch Chapita Wells Buck Canyon	911 1,282 1,819 4,216 4,350 4,949 5,657

35. ADDITIONAL REMARKS (Include plugging procedure)

36	I hereby certify that the foregoing and attached information is co	mplete and correct as determined from all available records.

NAME (PLEASE PRINT) Mickenzie Thacker

Operations Clerk

SIGNATURE

8/6/2009 DATE

This report must be submitted within 30 days of

- completing or plugging a new well
- · drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\*ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

801-359-3940 Fax:

## Natural Buttes Unit 763-19E - ADDITIONAL REMARKS (CONTINUED):

Perforated the Ba from 5688'-90', 5701'-03', 5708'-10', 5879'-80', 5966'-67', 5973'-74', 5987'-89', 6040'-41' w/ 3 spf.

Perforated the Ca from 5212'-13', 5234'-35', 5241'-43', 5251'-52', 5255'-56', 5286'-88', 5295'-97', 5301'-02', 5323'-24' w/ 3 spf.

Perforated the Ca from 5029'-30', 5036'-38', 5047'-48', 5058'-60', 5071'-73', 5075'-77', 5082'-83' w/ 3 spf.

## Revised from p' vious submission dated 8/6 009.

		DE	PARTM	STATE (			URCES	3				ENDED				FORM 8
				OF OIL,							5 L		SIGNA		ND SEF	RIAL NUMBER
		. ==16		D DE06		ETIC	NI DI		T A NIE			INDIAN,		TEE OI	R TRIB	E NAME
	LCOMP	LETIC	ON O		MPL	EHC	N KE	=POR	I ANL	LOG						
1a TYPE OF WELL:		OIL WELL	.5	GAS WELL	1	DRY		OTHE	R		-	7. UNIT OF CA AGREEMENT NAME Natural Buttes				
b. TYPE OF WORK NEW WELL	HORIZ LATS.	DEEP EN	- 🔲	RE- ENTRY		DIFF. RESVR		OTHE	R			VELL NAM Natura				763-19E
2 NAME OF OPERA EOG RES		, INC.							*		1,000,000	PI NUMBE 43-047		332		
3 ADDRESS OF OP			VERN	VAI		UT	840	 078		NUMBER 5) 781-9145		IELD AND Natura			/ILDCA	Т
4. LOCATION OF W		S)		.,								QTR/QTR	SECT	TION, T	OWNSI	HIP, RANGE,
AT SURFACE:	1258 FSL	. & 1388	8 FEL	39.92929	2 Lat	109.59	90150	Lon				NSE	19			21E S
AT TOP PRODUC	CING INTERVAL	. REPORTE	D BELOW	SAME												
AT TOTAL DEPT	H: SAME											COUNTY Jintah			13	UTAH
14 DATE SPUDDED 4/24/2009		DATE T.D. <b>1/26/20</b> 0		A.	E COMPL /2009	ETED:	A	ABANDONÉ	.D	READY TO PROD	JCE 🗸	17. ELE'	VATIO 214'		, RKB,	RT, GL):
18 TOTAL DEPTH:	MD 6,15	0	19	PLUG BACK T.	D.: MD	6,107		20 IF M	ULTIPLE CO	OMPLETIONS, HO	V MANY? *	21 DEP PL	TH BR .UG SE		MD TVD	
22 TYPE ELECTRIC		1ECHANICA	AL LOGS F	RUN (Submit co		1)			23							
RST/CBL/C	CL/VDL/G	R							WAS WEL WAS DST DIRECTIO		NO NO	<u></u>	YES [ YES [ YES [	=	(Subm	it analysis) it report) it copy)
24. CASING AND LI	NER RECORD (	Report all s	strings se	t in well)											•	
HOLE SIZE	SIZE/GRADE	E WE	EIGHT (#/f	t.) TOP	(MD)	вотто	M (MD)		EMENTER PTH	CEMENT TYPE 8 NO OF SACKS		RRY E (BBL)	CEN	MENT T	OP **	AMOUNT PULLED
12.25	9.625 J-	55	36.0		)	2,4	122			850				0		
7.875	4.5 P-1	110	11.6	(	)	4,	990			980				940		
						6	50									
25. TUBING RECOR																
SIZE	DEPTH SET	$\overline{}$	PACKER	SET (MD)	SIZE		DEPTH	SET (MD)	PACKE	R SET (MD)	SIZE		DEPTH	SET (N	1D)	PACKER SET (MD)
2.375	5,10	/						Т	27 PERSO	RATION RECORD		!_				
26. PRODUCING IN		TOP (MI	O)   B	BOTTOM (MD)	TOP	(TVD)	ВОТТО	M (TVD)		L (Top/Bot - MD)	SIZE	NO HOI	LES	PE	RFOR	ATION STATUS
(A) Wasatch	S 30.00 Sec.	5,02		6,041			_		5,688	6,041		3/SF	F	Open	7	Squeezed
(B)		0,02		0,0	<del>                                     </del>		1	_	5,212	5,324	1	3/SF	_	Open	=	Squeezed
(C)			-						5,029	5,083	_	3/SF	₽F	Open		Squeezed
(D)			$\dashv$		<u> </u>							3/SF	_	Open		Squeezed
28. ACID, FRACTUR	RE, TREATMEN	T, CEMENT	SQUEEZ	E, ETC.			-									
DEPTHI	INTERVAL							AMC	DUNT AND T	YPE OF MATERIA	Ľ					
5688-6041		- 1	31.504	GALSO	F GFL	LED \	NATE	R & 87	200# 2	0/40 SAND						
5212-5324										20/40 SAND	)					
5029-5083										0/40 SAND						
29. ENCLOSED ATT	TACHMENTS:		-,					,						30	. WELI	STATUS:
	RICAL/MECHAN			MENT VERIFIC	ATION		GEOLOG CORE AN	IC REPORT		DST REPORT	DIREC	CTIONAL	SURVE	ĭ - F	PRC	DUCING
											TEU	EIVE	=D			

(CONTINUED ON BACK)

SEP 16 2009

24	IMITIAL	PPODIICTION

#### INTERVAL A (As shown in item #26)

DATE FIRST PRO	ODUCED:	TEST DATE:	0	HOURS TESTE	URS TESTED: TEST PRODUCTION RATES →		OIL – BBL	GAS - MCF: 218	WATER - BBL	PROD METHOD
7/9/2009		7/12/2009	9							
CHOKE SIZE: 16/64	TBG PRESS	CSG PRESS 1,400	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL – BBL	GAS - MCF 218	WATER – BBL. 240	Producing
			-	IN.	TERVAL B (As show	wn in item #26)		**		
DATE FIRST PRO	ODUCED:	TEST DATE		HOURS TESTE	ED:	TEST PRODUCTION RATES →	OIL - BBL	GAS - MCF	WATER - BBL	PROD METHOD
CHOKE SIZE	TBG, PRESS	CSG PRESS	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL	GAS MCF	WATER – BBL	INTERVAL STATUS
				IN.	TERVAL C (As sho	wn in item #26)				
DATE FIRST PRO	ODUCED:	TEST DATE		HOURS TESTE	HOURS TESTED:		OIL – BBL	GAS - MCF	WATER - BBL	PROD METHOD
CHOKE SIZE:	TBG PRESS	CSG PRESS	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES →	OIL – BBL	GAS - MCF	WATER – BBL	INTERVAL STATUS
				IN	TERVAL D (As sho	wn in item #26)				
DATE FIRST PRO	ODUCED:	TEST DATE		HOURS TESTE	ED:	TEST PRODUCTION RATES: →	OIL – BBL	GAS - MCF	WATER - BBL	PROD METHOD
CHOKE SIZE:	TBG PRESS	CSG_PRESS	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL	GAS - MCF	WATER - BBL	INTERVAL STATUS
32. DISPOSITIO	N OF GAS (Sold,	, Used for Fuel, V	ented, Etc.)							
33. SUMMARY (	OF POROUS ZON	NES (Include Aqu	ifers):			3-	4. FORMATION	(Log) MARKERS:		
Show all importar	nt zones of porosi	ty and contents th	ereof Cored interv	als and all drill-ste	m tests, including de	epth interval				
tested, cushion u	sed, time tool ope	en, flowing and shu	ıt-ın pressures and	recoveries.						

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
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35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined f	rom all avail	able records.
NAME (PLEASE PRINT) Mickenzie Thacker	TITLE	Operations Clerk
SIGNATURE MACHA	DATE	9/15/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- \* ITEM 20: Show the number of completions if production is measured separately from two or more formations.
- \*\* ITEM 24: Cement Top Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

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## Natural Buttes Unit 763-19E - ADDITIONAL REMARKS (CONTINUED):

Perforated the Ba from 5688'-90', 5701'-03', 5708'-10', 5879'-80', 5966'-67', 5973'-74', 5987'-89', 6040'-41' w/ 3 spf.

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Perforated the Ca from 5029'-30', 5036'-38', 5047'-48', 5058'-60', 5071'-73', 5075'-77', 5082'-83' w/ 3 spf.

# STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5 LEASE DESIGNATION AND SERIAL NUMBER ML-22792
SUNDRY NOTICES AND REPORTS ON WELLS	8 IF INDIAN, ALLOTTEE OR TRIBE NAME
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL OIL WELL GAS WELL . OTHER	8 WELL NAME and NUMBER Natural Buttes Unit 763-19E
2 NAME OF OPERATOR: EOG Resources, Inc.	9 API NUMBER: 43-047-38332
3 ADDRESS OF OPERATOR PHONE NUMBER (405) 704	10000000
1060 East Highway 40 Vernal UT 84078 (435) 781-	19140 Natara Battos
FOOTAGES AT SURFACE: 1258' FSL & 1388' FEL 39.929292 LAT 109.590150 LON	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 19 10S 21E S.L.B. & M.	STATE UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE	
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)  CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion CHANGE WELL STATUS PRODUCTION (START/RESU	
9/4/2009 COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SIT	<u> </u>
CONVERT WELL TYPE	
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, do The reserve pit on the referenced location was closed on 9/4/2009 as per the APD	
NAME (PLEASE PRINT) Mickenzie Gates TITLE Operation	ons Clerk
SIGNATURE MAILURU TUTTE DATE 10/6/20	09

(This space for State use only)

### Division of Oil, Gas and Mining

### **OPERATOR CHANGE WORKSHEET**

## X Change of Operator (Well Sold)

Operator Name Change

Designation of Agent/Operator

ROUTING
1. DJJ
2. CDW

Merger

The operator of the well(s) listed below has chan	*6/1/2009 and **7/1/2009									
FROM: (Old Operator):	TO: ( New Operator):									
N9550-EOG Resources				N2995-Kerr-McGee Oil & Gas Onshore., LP						
1060 E Hwy 40				1368 Sc				•		
Vernal, UT 84078				Vernal,						
Phone: 1-(435) 781-9111				Phone: 1-(435)	781-7	024				
CA No.				Unit:			NATURA	L BUTTI	ES	
WELL NAME(S)	SEC	TWN	RNG	API NO	ENT	ITY	LEASE	WELL	WELL	
					NO		TYPE	TYPE	STATUS	
NBU 760-36E **	36		200E	4304738330			State	GW	P	
NBU 763-19E **	19		210E	4304738332			State	GW	P	
NBU 529-07E **	07		210E	4304739722			Federal	GW	P 9/24	
NBU 668-12E **	12	100S	200E	4304739901			Federal	GW	P 9/8	
NBU 654-07E **	07		210E	4304739956	OK	2900	Federal	GW	P 9/17	
NBU 428-07E **	07	100S	210E	4304740049	0K	2900	Federal	GW	P 9/8	
NBU 670-29E **	29	090S	220E	4304740084		2900	State	GW	P	
NBU 638-13E *	13	100S	220E	4304750016	OK	2900	State	GW	P 9/8	
OPERATOR CHANGES DOCUMENT Enter date after each listed item is completed										
1. (R649-8-10) Sundry or legal documentation wa						n:	Completion	•		
2. (R649-8-10) Sundry or legal documentation wa	is rec	eived f	rom the	NEW operator	on:		Completion	of well		
3. The new company was checked on the <b>Depart</b>	ment	of Cor	nmerce	e, Division of Co	orpora	tions	Database o	n:	3/7/2006	
4. Is the new operator registered in the State of U	tah:		YES	Business Numb	er:	1	355743-018	1		
6a. (R649-9-2)Waste Management Plan has been re	ceive	ed on:		IN PLACE				•		
6b. Inspections of LA PA state/fee well sites comp	lete o	n:		n/a	-					
7. Federal and Indian Lease Wells: The BLM a	nd or	the BI	A has a	pproved the me	- rger, n	ame o	change,			
or operator change for all wells listed on Feder	al or	Indian	leases o	n:	BL	М	n/a	BIA	n/a	
8. Federal and Indian Units:							•		•	
The BLM or BIA has approved the successor				r wells listed on:	:		n/a			
9. Federal and Indian Communization Agreem		-	•							
The BLM or BIA has approved the operator	for al	l wells					n/a			
10. Underground Injection Control ("UIC")				ivision has appro				sfer of A	uthority to	
Inject, for the enhanced/secondary recovery un	iit/pro	ject fo	r the wa	ater disposal wel	ll(s) lis	ted o	n:	n/a		
DATA ENTRY:										
1. Changes entered in the Oil and Gas Database				8/12/2009						
2. Changes have been entered on the <b>Monthly O</b> <sub>1</sub>	perat	or Cha	ınge Sp				8/12/2009	•		
3. Bond information entered in RBDMS on:				8/12/2009	-					
4. Fee/State wells attached to bond in RBDMS or	1:			8/12/2009						
5. Injection Projects to new operator in RBDMS	on:			n/a	-					
BOND VERIFICATION:										
1. Federal well(s) covered by Bond Number: CO1203										
2. Indian well(s) covered by Bond Number:				n/a	_					
3. (R649-3-1) The <b>NEW</b> operator of any state or	fee w	ell(s) l	isted co	vered by Bond 1	Numbe	r	22013542			
4. The <b>FORMER</b> operator has requested a release	of lia	ability i	from the	eir bond on:	n/	'a	· · ·	•		
COMMENTS:		····			·····		· .,			

Well to transfer upon completion to Unit Operator (See 9/23/2003 letter from EOG & agreement 9/17/03 from Westport)

Form 3160-5 (August 2007)

(Instructions on page 2)

### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

5. Lease Serial No. Multiple Leases

SUNDRY	<b>NOTICES AN</b>	D REPORTS ON WELLS
o not use this	form for prop	osals to drill or to re-enter an

6. If Indian, Allottee or Tribe Name

FORM APPROVED

OMB No. 1004-0137 Expires: July 31, 2010

Do not use this abandoned well.	form for proposals Use Form 3160-3 (	o. It indian, Another of Tribe Name				
	IT IN TRIPLICATE - Other	er instructions on page 2.			ement, Name and/or No.	
1. Type of Well				Natural Buttes		
Oil Well Gas V	<ol><li>Well Name and No Multiple Wells</li></ol>					
Name of Operator     EOG Resources , Inc				9. API Well No. See Attached		
3a. Address 1060 EAST HIGHWAY 40, VERNAL, UT 84078	3	10. Field and Pool or I Natural Buttes	Exploratory Area			
4. Location of Well (Footage, Sec., T., See Attached	R., M., or Survey Descriptio	n)	i	11. Country or Parish, Uintah, Utah	State	
12. CHEC	X THE APPROPRIATE B	OX(ES) TO INDICATE NA	TURE OF NOTICE	E, REPORT OR OTH	ER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION	ON		
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Produc	ction (Start/Resume)	Water Shut-Off Well Integrity	
Subsequent Report	Casing Repair Change Plans	New Construction Plug and Abandon		pplete prarily Abandon	Other Change of Operator	
Final Abandonment Notice	Convert to Injection	Plug Back	☐ Water	Disposal		
EOG Resources, Inc. has assigned Onshore LP and will relinquish and to As of January 1, 2010, Kerr-McGee terms and conditions of the applicab Onshore LP's Nationwide BLM Bonc Kerr-McGee Oil & Gas Onshore LP 1099 18th Street, Suite 1800 Denver, CO 80202-1918	transfer operatorship of all Oil & Gas Onshore LP wi le lease for the operation	I of the Subject Wells to K	err-McGee Oil & e	Gas Onshore LP on of the Subject Wells	January 1, 2010.	
·				Accepted	l by the	
1	1 .			Utah Div	•	
By: Michael A Nivean	· hip	Date: 12/17/2009		Oil, Gas an		
Agent and Attorney-in-Fact	I			For Reco	rd Only ER 1201	
14. I hereby certify that the foregoing is tru Name (Printed/Typed) J. Michael Schween	ae and correct.	Title Ager	it and Attorney-in	-Fact		
Signature		Date 12/1	7/2009			
	THIS SPACE	FOR FEDERAL OR	STATE OFFIC	CE USE	RECEIVED	
Approved by		77:1			DEC 2 4 2000	
Conditions of approval, if any, are attached, hat the applicant holds legal or equitable titl ntitle the applicant to conduct operations the	le to those rights in the subjec	not warrant or certify t lease which would Office			V. OF OIL, GAS & MINING	
Title 18 U.S.C. Section 1001 and Title 43 U fictitious or fraudulent statements or represe	J.S.C. Section 1212, make it a	crime for any person knowing	ly and willfully to m	nake to any department	or agency of the United States any false,	

Lease #	API#	Well Name	Footages	Legal Description
JTUO2270A	4304730261	NBU 1-07B	1975' FNL 1850' FWL	T10S-R21E-07-SENW
JTUO144868	4304730262	NBU 2-15B	1630' FSL 2125' FEL	T09S-R20E-15-NWSE
ML22651	4304730267	NBU 3-02B	1819' FNL 716' FWL	T10S-R22E-02-SWNW
JTUO10954A	4304730273	NBU 4-35B	2037' FNL 2539' FWL	T09S-R22E-35-SENW
ML22650	4304730272	NBU 5-36B	1023' FNL 958' FWL	T09S-R22E-36-NWNW
JTUO1791	4304730278	NBU 7-09B	330' FSL 1600' FWL	T10S-R21E-09-SESW
JTUO1207 ST	4304730274	NBU 10-29B	1100' FSL 1540' FEL	T09S-R22E-29-SWSE
JTUO1791	4304730294	NBU 13-08B	1600' FSL 1300' FEL	T10S-R21E-08-NESE
JTUO581	4304730296	NBU 15-29B	821' FNL 687' FWL	T09S-R21E-29-NWNW
JTU01791	4304730316	NBU 16-06B	330' FSL 900' FEL	T10S-R21E-06-SESE
JTUO2270A	4304730317	NBU 17-18B	1014' FSL 2067' FEL	T10S-R21E-18-SWSE
JTUO144869	4304730328	NBU 19-21B	2015' FNL 646' FEL	T09S-R20E-21-SENE
JTUO575	4304730363	NBU 25-20B	1905' FNL 627' FWL	T09S-R21E-20-SWNW
JTU4485	4304730364	NBU 26-13B	600' FSL 661' FEL	T10S-R20E-13-SESE
JTUO1393B	4304730367	NBU 28-04B	529' FNL 2145' FWL	T10S-R21E-04-NENW
JTU01393B	4304730368	NBU 29-05B	398' FSL 888' FWL	T10S-R21E-05-SESE
JTU0575		NBU 30-18B	1895' FSL 685' FEL	T09S-R21E-18-NESE
1L01197A	4304730385	NBU 31-12B	565' FNL 756' FWL	T10S-R22E-12-NWNW
JTU461	4304730396	NBU 33-17B	683' FSL 739' FWL	T09S-R22E-17-SWSW
JTU0575	4304730404	NBU 34-17B	210' FNL 710' FEL	T09S-R21E-17-NENE
JTUO149767	4304730397	NBU 35-08B	1830' FNL 660' FWL	T09S-R21E-8-SWNW
JTUO144878B	4304730470	NBU 49-12B	551' FSL 1901' FEL	T09S-R20E-12-SWSE
ITUO140225	4304730473	NBU 52-01B	659' FSL 658' FEL	T09S-R21E-01-SESE
JTUO141315	4304730474	NBU 53-03B	495' FSL 601' FWL	T09S-R21E-03-SWSW
1L21510	4304730475	NBU 54-02B	660' FSL 660' FWL	T09S-R21E-02-SWSW
TUO1193		NBU 57-12B	676' FSL 1976' FEL	T09S-R21E-12-SWSE
TUO1198B		NBU 58-23B	1634' FNL 2366' FEL	T10S-R22E-23-SWNE
TUO37167		NBU 62-35B	760' FNL 2252' FEL	T10S-R22E-35-NWNE
TU10186		NBU 63-12B	1364' FNL 1358' FEL	T10S-R20E-12-SWNE
TUO37167	4304730577	NBU 70-34B	1859' FSL 2249' FWL	T10S-R22E-34-NESW
TU4476		NBU 71-26B	1877' FNL 528' FEL	T10S-R20E-26-SENE
TUO141315	тельтория и при в тельтория в при в пр	NBU 202-03	898' FSL 1580' FEL	T09S-R21E-03-SWSE
TUO1791		NBU 205-08	1432' FSL 1267' FWL	T10S-R21E-08-NWSW
TUO1791		NBU 206-09	1789' FNL 1546' FWL	T10S-R21E-09-SENW
TUO1393B		NBU 207-04	1366' FSL 1445' FWL	T10S-R21E-04-NESW
TUO149076	entrantisti in terretari di terre	NBU 210-24	1000' FSL 1000' FWL	T09S-R21E-24-SWSW
TUO284		NBU 211-20	916' FSL 822' FEL	T09S-R22E-20-SESE
TUO284		NBU 212-19	289' FSL 798' FWL	T09S-R22E-19-SWSW
TU22650		NBU 213-36J	597' FNL 659' FEL	T09S-R22E-36-NENE
L22651	текской различной постиненти в принципальной	NBU 217-02	2045' FSL766' FWL	T10S-R22E-02-NWSW
TUO2270A		NBU 218-17	2600' FNL 1500' FWL	
TUO149076	provide the second	NBU 219-24	1300' FNL 500' FWL	T10S-R21E-17-SENW T09S-R21E-24-NWNW
TUO149076	- +4- 115-2-116-2-116-116-116-116-116-116-116-116	NBU 301-24E	700' FSL 2450' FEL	T09S-R21E-24-NWNW
TUO1791		NBU 302-09E	1899' FSL 912' FWL	A STATE OF THE PARTY OF THE PAR
TUO575		NBU 304-18E	782' FSL 1783' FEL	T10S-R21E-09-NWSW
TUO149767		NBU 305-07E	The same of the sa	T09S-R21E-18-SWSE
TUO581		NBU 306-18E	670' FNL 1950' FWL	T09S-R21E-07-NENW
TUO1791		NBU 307-06E	1604' FSL 2797' FWL	T09S-R21E-18-NESW
TUO284	- 11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	NBU 308-20E	1979' FSL 2000' FEL	T10S-R21E-06-NWSE
TUO575		NBU 309-20E	1503' FSL 954' FWL	T09S-R22E-20-NWSW
TUO149075			930' FNL 667' FEL	T09S-R21E-20-NENE
TUO581	CONTRACT TO THE PROPERTY OF TH	NBU 311-23E	1101' FSL 1978' FEL	T09S-R21E-23-SWSE
TUO141315		NBU 313-29E	1000' FNL 660' FEL	T09S-R21E-29-NENE
UO575	and the second s	NBU 314-03E	1045' FSL 2584' FWL	T09S-R21E-03-SESW
	a realise management and make a second contract	NBU 316-17E	1935' FNL 1067' FWL	T09S-R21E-17-SWNW
UO144868B		NBU 317-12E	867' FNL 701' FEL	T09S-R20E-12-NENE
UO2270A		NBU 319-17E	807' FNL 990' FWL	T10S-R21E-17-NWNW
TUO1188	The state of the s	NBU 321-10E	940' FSL 2508' FWL	T09S-R21E-10-SESW
UO575B		NBU 325-08E	832' FSL 669' FWL	T09S-R21E-08-SWSW
UO1393B	-	NBU 326-04E	1906' FNL 695' FWL	T10S-R21E-04-SWNW
UO1393B		NBU 327-05E	1117' FNL 942' FEL	T10S-R21E-05-NENE (LOT 1
TU4485	THE RESIDENCE OF THE PARTY OF T	NBU 328-13E	1766' FSL 1944' FWL	T10S-R20E-13-NESW
UO1207 ST	4304732229	NBU 329-29E	2490' FNL 949' FEL	T09S-R22E-29-SENE

Lease #	API#	Well Name	Footages	Legal Description
UTUO10954A	4304732147	NBU 331-35E	1531' FNL 1153' FEL	T09S-R22E-35-SENE
UTUO1791	4304732148	NBU 332-08E	955' FSL 2508' FEL	T10S-R21E-08-SWSE
ML21510	4304732518	NBU 333-02E	1951' FSL 2245' FWL	T09S-R21E-02-NESW
UTUO149075	4304732265	NBU 335-23E	1419' FNL 828' FEL	T09S-R21E-23-SENE
UTUO149076	4304732264	NBU 336-24E	2024' FNL 1958' FWL	T09S-R21E-24-SENW
UTUO284	4304732281	NBU 339-19E	1890' FSL 674' FWL	T09S-R22E-19-NWSW
UTUO284B	4304732327	NBU 340-20E	1326' FSL 2569' FEL	T09S-R22E-20-NWSE
UTUO1207 ST	4304733055	NBU 341-29E	307' FSL 898' FEL	T09S-R22E-29-SESE
UTUO10954A	4304732212	NBU 342-35E	918' FNL 2563' FEL	T09S-R22E-35-NWNE
JTUO1393B	4304739338	NBU 346-05E	2233' FSL 676' FEL	T10S-R21E-05-NESE
JTUO575B	4304732326	NBU 349-07E	1641' FNL 1036' FWL	T09S-R21E-07-SWNW
JTUO1188	4304732519	NBU 352-10E	1806' FSL 842' FWL	T09S-R21E-10-NWSW
JTUO581	4304732383	NBU 356-29E	1600' FNL 1980' FEL	T09S-R21E-29-SWNE
JTUO2270A	4304732388	NBU 358-01E	736' FSL 1941' FEL	T10S-R20E-01-SWSE
JTU4485	4304750032	NBU 359-13E	661' FSL 2149' FEL	T10S-R20E-13-SWSE
JTU4485	4304732387	NBU 360-13E	1998' FSL 775' FWL	T10S-R20E-13-NWSW
ML21510	4304733782	NBU 379-02E	1967' FSL 898' FWL	T09S-R21E-02-NWSW
JTUO575	4304733064	NBU 382-18E	2030' FSL 2172' FEL	T09S-R21E-18-NWSE
JTUO149075	4304735889	NBU 384-23E	491' FSL 929' FEL	T09S-R21E-23-SESE
JTUO149076		NBU 386-24E	450' FSL 1850' FWL	T09S-R21E-24-SESW
JTUO284	4304733057	NBU 388-19E	382' FSL 1847' FWL	T09S-R22E-19-SESW
JTUO1207 ST	4304733049	NBU 389-29E	2226' FSL 2166' FEL	T09S-R22E-29-NWSE
JTUO1393B	4304732835	NBU 390-04E	2577' FSL 1951' FWL	T10S-R21E-04-NESW
JTUO1393B	4304732988	NBU 391-05E	1215' FSL 2090' FEL	T10S-R21E-05-SWSE
JTUO1791	4304733783	NBU 392-06E	1926' FSL 611' FEL	T10S-R21E-06-NESE
JTU4485		NBU 393-13E	1850' FSL 2141' FEL	T10S-R20E-13-NWSE
JTU4485	4304733072	NBU 394-13E	725' FSL 2027' FWL	T10S-R20E-13-SESW
JTUO1188	4304732544	NBU 400-11E	1983' FSL 1321' FWL	T09S-R21E-11-NESW
JTUO581	4304734216	NBU 421-29E	1985 FNL, 972 FEL	T09S-R21E-29-SENE
JTUO581		NBU 422-29E	1980' FNL 785' FWL	T09S-R21E-29-SWNW
ITUO581	4304734206	NBU 423-30E	1980' FSL 660' FEL	T09S-R21E-30-NESE
1L3142		NBU 424-32E	744' FNL 773' FEL	T09S-R21E-32-NENE
ITUO2270A	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER OF THE OWNER	NBU 428-07E	660' FSL 855' FWL	T10S-R21E-07-SWSW (LOT
TUO1791		NBU 431-09E	2599' FNL 662' FWL	T10S-R21E-09-SWNW
TUO2270A		NBU 434-17E	1799' FNL 2176' FWL	T10S-R21E-17-SENW
TUO2270A		NBU 435-17E	1837' FNL 571' FWL	T10S-R21E-17-SWNW
TUO2270A		NBU 436-18E	1644' FSL 748' FEL	T10S-R21E-18-NESE
TUO2270A		NBU 437-18E	322' FSL 748' FEL	T10S-R21E-18-SESE
IL22792		NBU 438-19E	661' FNL 1941' FEL	T10S-R21E-19-NWNE
IL22792		NBU 439-19E	2111' FNL 1980' FWL	T10S-R21E-19-SWNE
TUO10953	waterwater and the manufacture and the second secon	NBU 451-01E	1965' FSL 2132' FWL	T10S-R22E-01-NESW
IL22651		NBU 456-02E	493' FNL 1080' FWL	T10S-R22E-02-NWNW (Lot 4)
TUO141315	The second secon	NBU 481-03E	1490' FSL 556' FEL	T09S-R21E-03-NESE
TUO581		NBU 483-19E	1850' FSL 1980' FWL	T09S-R21E-19-NESW
TUO575	Appendix of the same of the sa	NBU 484-20E	350' FNL 823' FWL	T09S-R21E-20-NWNW
TUO2270A		NBU 486-07E	1895 FSL' 1834' FWL	T10S-R21E-07-NESW
TUO575B		NBU 489-07E	763' FSL 733' FWL	T09S-R21E-07-SWSW (Lot 4)
TUO2270A		NBU 497-01E	2091' FSL 894' FEL	T10S-R20E-01-NESE
TUO577A		NBU 506-23E	720' FNL 1818' FWL	T09S-R20E-23-NENW
TUO1791		NBU 508-08E	915' FSL 355' FEL	T10S-R21E-08-SESE
TUO1197A ST	CONTRACTOR OF THE PROPERTY OF	NBU 513-12EX	1850' FNL 2133' FWL	T10S-R22E-12-SENW
ΓUO2270A		NBU 516-12E	1950' FSL 1786' FEL	T10S-R20E-12-NWSE
ΓUO141315		NBU 519-03E	1749' FSL 798' FWL	T09S-R21E-03-NWSW
TUO575B		NBU 521-08E	2250' FSL 900' FWL	T09S-R21E-08-NWSW
ΓUO1188	ALINAMENT STATES OF STATES	NBU 522-10E	732' FSL 841' FEL	T09S-R21E-10-SESE
TUO2270A		NBU 523-12E	660' FSL 660' FEL	T10S-R20E-12-SESE
UO2270A		NBU 524-12E	841' FSL 1795' FEL	T10S-R20E-12-SWSE
TUO2270A		NBU 529-07E	704' FNL 762' FWL	T10S-R21E-07-NWNW
TUO581	4304734639	NBU 534-18E	1885' FSL 115' FWL	T09S-R21E-18-NWSW
UO2270A	4304735200	NBU 535-17E	1893' FSL 580' FWL	T10S-R21E-17-NWSW
.22791	4304735252 N	NBU 536-18E	734' FSL 2293' FWL	T10S-R21E-18-SESW
UO2270A	Committee of the commit	NBU 537-18E	1880' FSL 1830' FEL	T10S-R21E-18-NWSE

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Lease #	API#	Well Name	Footages	Legal Description
UTUO284	4304735886	NBU 538-19E	1937' FSL 1833' FWL	T09S-R22E-19-NESW
UTUO149076	4304735887	NBU 539-24E	1870' FSL 477' FEL	T09S-R21E-24-NESE
UTUO10953	4304736280	NBU 546-01E	2036' FSL 699' FWL	T10S-R22E-01-NWSW
UTUO10953	4304736278	NBU 547-01E	749' FSL 598' FWL	T10S-R22E-01-SWSW
UTU474	4304737687	NBU 553-28E	767' FNL 753' FWL	T10S-R22E-28-NWNW
UTU474	4304737686	NBU 554-28E	2023' FNL 465' FWL	T10S-R22E-28-SWNW
ML22791	4304737685	NBU 555-18E	1984' FSL 1790' FWL	T10S-R21E-18-NESW
ML22791	4304737514	NBU 556-18E	1800' FSL 870' FWL	T10S-R21E-18-NWSW
ML22791	4304737513	NBU 557-18E	852' FSL 661' FWL	T10S-R21E-18-SWSW
UTUO2270A	4304737510	NBU 558-17E	748' FSL 611' FWL	T10S-R21E-17-SWSW
UTUO2278C	4304737509	NBU 559-17E	467' FSL 2065' FWL	T10S-R21E-17-SESW
UTUO2278	4304737508	NBU 560-17E	1946' FSL 1896' FWL	T10S-R21E-17-NESW
UTUO2278		NBU 561-17E	857' FSL 1988' FEL	T10S-R21E-17-SWSE
ML22792	4304737536	NBU 562-19E	859' FNL 859' FEL	T10S-R21E-19-NENE
ML22792	4304737537	NBU 563-19E	1982' FSL 1878' FEL	T10S-R21E-19-NWSE
UTU4476	4304738962	NBU 564-26E	665' FNL 1945' FWL	T10S-R20E-26-NENW
ML22793	4304737533	NBU 565-30E	1865' FNL 1786' FEL	T10S-R21E-30-SWNE
UTUO2270A	4304738375	NBU 566-17E	538' FNL 1806' FWL	T10S-R21E-17-NENW
UTUO1791	4304738535	NBU 567-17E	690' FNL 1988' FEL	T10S-R21E-17-NWNE
UTUO1791	4304738537	NBU 568-17E	850' FNL 807' FEL	T10S-R21E-17-NENE
UTUO1791	4304738534	NBU 569-17E	2009' FNL 1809' FEL	T10S-R21E-17-SWNE
UTUO1791		NBU 570-17E	2031' FNL 672' FEL	T10S-R21E-17-SENE
UTUO2278	4304738377	NBU 571-17E	1964' FSL 1831' FEL	T10S-R21E-17-NWSE
UTUO2278		NBU 572-17E	1810' FSL 739' FEL	T10S-R21E-17-NESE
UTUO2278	and the surface to the second	NBU 573-17E	813' FSL 481' FEL	T10S-R21E-17-SESE
ML22650	4304739308	NBU 602-36E	1723' FNL 719' FWL	T09S-R22E-36-SWNW
UTUO1393B		NBU 614-05E	716' FNL 1967' FEL	T10S-R21E-05-NWNE
UTUO1393B		NBU 615-05E	2384' FNL 1015' FEL	T10S-R21E-05-SENE
UTUO1393B		NBU 617-04E	933' FNL 745' FWL	T10S-R21E-04-NWNW
UTUO1393B		NBU 618-04E	998' FSL 661' FWL	T10S-R21E-04-SWSW
UTUO1393B		NBU 625-04E	1937' FNL 1722' FWL	T10S-R21E-04-SENW
UO01197A ST		NBU 632-12E	860' FNL 2032' FWL	T10S-R22E-12-NENW
UO01197A ST	The street of th	NBU 633-12E	789' FNL 2179' FEL	T10S-R22E-12-NWNE
UO01197A ST		NBU 635-12E	1808' FNL 1754' FEL	T10S-R22E-12-SWNE
UTUO1197A ST		NBU 636-12E	1824' FNL 461' FEL	T10S-R22E-12-SENE
UTUO8512 ST		NBU 638-13E	1926' FNL 2504' FWL	T10S-R22E-13-SENW
UTUO8512 ST	armonia de la como de	NBU 639-13E	859' FNL 1902' FEL	T10S-R22E-13-NWNE
UTUO8512 ST		NBU 640-13E	1619' FNL 1639' FEL	T10S-R22E-13-SWNE
UTUO8512A ST UTUO8512 ST		NBU 641-13E NBU 642-13E	990' FNL 1184' FEL	T10S-R22E-13-NENE
UTUO2270A		NBU 653-07E	1949' FNL 858' FEL	T10S-R22E-13-SENE
UTUO2270A	consistence and the second	NBU 654-07E	660' FNL 1980' FWL 1913' FNL 522' FWL	T10S-R21E-07-NENW
UTUO2270A		NBU 655-07E	1926' FSL 750' FWL	T10S-R21E-07-SWNW
UTUO1791	active of the second contract of the second c	NBU 658-01E	2177' FNL 1784' FEL	T10S-R21E-07-NWSW
UTUO2270A		NBU 660-12E	661' FNL 691' FEL	T10S-R20E-01-SWNE
ML22790	nes per forme a real commence de la marie	NBU 661-24E	1734' FSL 661' FWL	T10S-R20E-12-NENE T10S-R20E-24-NWSW
VIL22790 VIL22790		NBU 662-24E	809' FSL 807' FWL	
ML22790 ML22790		NBU 663-24E	810' FSL 1979' FWL	T10S-R20E-24-SWSW T10S-R20E-24-SESW
ML22790		NBU 664-24E	1810' FNL 1781' FEL	
ML22790	verson farmer all recommendations are recommended by the commendation of the commendat	NBU 665-24E	1950' FSL 660' FEL	T10S-R20E-24-NWSE T10S-R20E-24-NESE
ML22790		NBU 666-24E	1043' FSL 1722' FEL	T10S-R20E-24-NESE
ML22790	The state of the s	NBU 667-24E	660' FSL 660' FEL	T10S-R20E-24-SVSE
JTUO2270A	· · · · · · · · · · · · · · · · · · ·	NBU 668-12E	859' FNL 1915' FEL	T103-R20E-24-3E3E
JO1207 ST		NBU 670-29E	2018' FSL 859' FEL	T09S-R22E-29-NESE
JO1207 ST		NBU 691-29E	680' FNL 797' FEL	T09S-R22E-29-NENE
ML3140.5		NBU 760-36E	1320' FNL 1320' FEL	T09S-R20E-36-NENE
JTU4476		NBU 762-26E	1506' FNL 1449' FEL	T10S-R20E-26-SWNE
ML22792		NBU 763-19E	1258' FSL 1388' FEL	T10S-R21E-19-SWSE
ЛL3142	- of a constraint and a second second second	NBU 764-32E	875' FNL 667' FWL	T09S-R21E-32-NWNW
JTUO1791	MANAGE AND THE SAME THE PARTY OF THE PARTY O	NBU 765-09E	1000' FSL 1640' FWL	T10S-R21E-09-SESW

RECEIVED

DEC 2 4 2009

STATE OF UTAH		FORM 9		
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: ML 22792	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES	
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 763-19E	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.			9. API NUMBER: 43047383320000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779  720 929-6007 Ext			9. FIELD and POOL or WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 FSL 1388 FEL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 19 Township: 10.0S Range: 21.0E Meridian: S			STATE: UTAH	
11. CHE	CK APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPORT,	OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
The operator requests	□ CHANGE TO PREVIOUS PLANS       □ CHANGE WELL STATUS       □ DEEPEN       □ OPERATOR CHANGE       □ PRODUCTION START OR RESUME       □ REPERFORATE CURRENT FORMATION       □ TUBING REPAIR       □ WATER SHUTOFF	ct well location. Attached re. Thank you.	Approved by the Utah Division of Oil, Gas and Mining	
NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER	TITLE Regulatory Analyst		
SIGNATURE N/A	720 929-6156	DATE 11/8/2010		



#### The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

### **Sundry Conditions of Approval Well Number 43047383320000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. Amend Plug #1: 8 sx (100' minimum) shall be placed on top of the CIBP @ 4980', not 4 sx as proposed.
  - 3. All balanced plugs shall be tagged to ensure that they are at the depth specified.
    - 4. All annuli shall be cemented from a minimum depth of 100' to the surface.
    - 5. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration.
- 6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 7. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
  - 8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Approved by the Utah Division of Oil, Gas and Mining

11/18/2040

Date

Bv:

TD:

6150 **TVD**:

6150 PBTD:

6107

**API Well No:** 43-047-38332-00-00 Well Name/No: NBU 763-19E Permit No: Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P. Location: Sec: 19 T: 10S R: 21E Spot: SWSE **String Information Bottom** Diameter Weight Length Coordinates: X: 620535 Y: 4420661 String (ft sub) (inches) (lb/ft) (ft) Field Name: NATURAL BUTTES HOL1 2422 12.25 County Name: UINTAH **SURF** 2422 9.625 36 2422 HOL2 6150 7.875 **PROD** 6150 4.5 Plugt 6

(Noide (601/(1.15)(11.454)=8>X 998 X 11
atside (001/(1.15)(3.0401)=285L

367K fortal

Propose 363x Vol. 11.6 4990 11.459 30901 (27xx)(1.15)(11.459)=360' toce 985 **Cement Information BOC** TOC String Class Sacks (ft sub) (ft sub) PROD 4990 940 Cement from 2422 ft. to surface MHGBN SURF 2422 0 UK 850 Surface: 9.625 in. @ 2422 ft. Hole: 12.25 in. @ 2422 ft. Pug#3 1654=210 TOC 2560 /OK **Perforation Information** Top **Bottom** (ft sub) Shts/Ft No Shts Dt Squeeze (ft sub) 5029 6041 Approved by the **Utah Division of** Oil, Gas and Mining 4880 ft. to 940 ft. **Formation Information** Formation Depth C1BAC 4880 UNTA 250291 1089 Tubing: 2.375 in. @ 5107 ft. (434)(LIS) (11,459)=52 MHGBN 1819 PARCK 2659 WSTC 4350 **BMSW** 4400 Production: 4.5 in. @ 6150 ft. Hole: 7.875 in. @ 6150 ft.

NBU 763-19E 1258' FSL & 1388' FEL SWSE SEC.19, T10S, R21E Uintah County, UT

KBE: 5229' **API NUMBER:** 4304738332 GLE: 5214' **LEASE NUMBER:** ML-22792 TD: 6150' WI: 100.00000% PBTD: 6107' NRI: 83.494445%

**WINS:** C3631

CASING: 12.25" hole

9.625" 36# J-55@ 2,423' KB

Cemented with 850 sx, TOC @ Surface

7.875" hole

4.5" 11.6# N-80 @ 6150'

Cemented with 980 sx, TOC @ 964' per CBL 6/3/2009

**TUBING:** 2.375" 4.7# N-80 tubing at 5107'

Tubular/Borehole		Collapse psi	Burst psi	Capacities			
	inches			Gal./ft.	Cuft/ft.		Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624		0.0217	0.0039
4.5" 11.6# N-80	3.875	6350	7780	0.6528		0.0872	0.0155
9.625" 36# K-55	8.921	2020	3520	3.247		0.434	0.0773
Annular Capacities							
2.375" tbg. X 4 1/2" 11.6# csg			0.4227	0.0565		0.0101	
4.5" csg X 9 5/8" 36# csg			2.4192	0.3231		0.0576	
4.5" csg X 7.875 borehole			1.704	0.2276		0.0406	
9 5/8" csg X 12 1/4" borehole			2.3436	0.3132		0.0558	

#### **GEOLOGIC INFORMATION:**

Formation Depth to top, ft.
Uinta Surface
Green River 1089'

Green River 1089'
Bird's Nest 1244'
Mahogany 1818'
Base of Parachute 2659'
Wasatch 4349'

Tech. Pub. #92 Base of USDW's

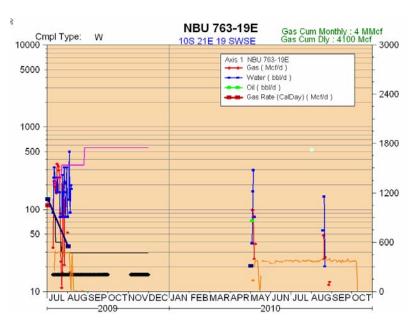
USDW Elevation ~0' MSL USDW Depth ~5229' KBE

EXISTING PERFORATIONS: Wasatch 5029' - 6041'

Formation	Date	Тор	Btm	SPF	Status
Wasatch	6/30/2009	5029	5031	3	Open
Wasatch	6/30/2009	5036	5038	3	Open
Wasatch	6/30/2009	5047	5048	3	Open
Wasatch	6/30/2009	5058	5060	3	Open
Wasatch	6/30/2009	5071	5073	3	Open
Wasatch	6/30/2009	5075	5077	3	Open
Wasatch	6/30/2009	5082	5083	3	Open
Wasatch	6/30/2009	5212	5213	3	Open
Wasatch	6/30/2009	5234	5235	3	Open
Wasatch	6/30/2009	5241	5243	3	Open
Wasatch	6/30/2009	5251	5252	3	Open
Wasatch	6/30/2009	5255	5256	3	Open
Wasatch	6/30/2009	5286	5288	3	Open
Wasatch	6/30/2009	5295	5297	3	Open
Wasatch	6/30/2009	5301	5302	3	Open
Wasatch	6/30/2009	5323	5324	3	Open
Wasatch	6/30/2009	5688	5690	3	Open
Wasatch	6/30/2009	5701	5703	3	Open
Wasatch	6/30/2009	5708	5710	3	Open
Wasatch	6/30/2009	5879	5880	3	Open
Wasatch	6/30/2009	5966	5967	3	Open
Wasatch	6/30/2009	5973	5987	3	Open
Wasatch	6/30/2009	6040	6041	3	Open

#### WELL HISTORY:

- Well Spud 4-23-2009, TD'd 5/26/2009
- 6/30/2009 perforated and frac'd Wasatch
- 7/9/2009 First production 218 Mcf, 240 BBL water
- Transferred from EOG to APC Spring 2010
- 2010 Engineering Evaluation uneconomical to produce due to large water volumes



#### NBU 763-19E PLUG & ABANDONMENT PROCEDURE

#### GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5
  GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.

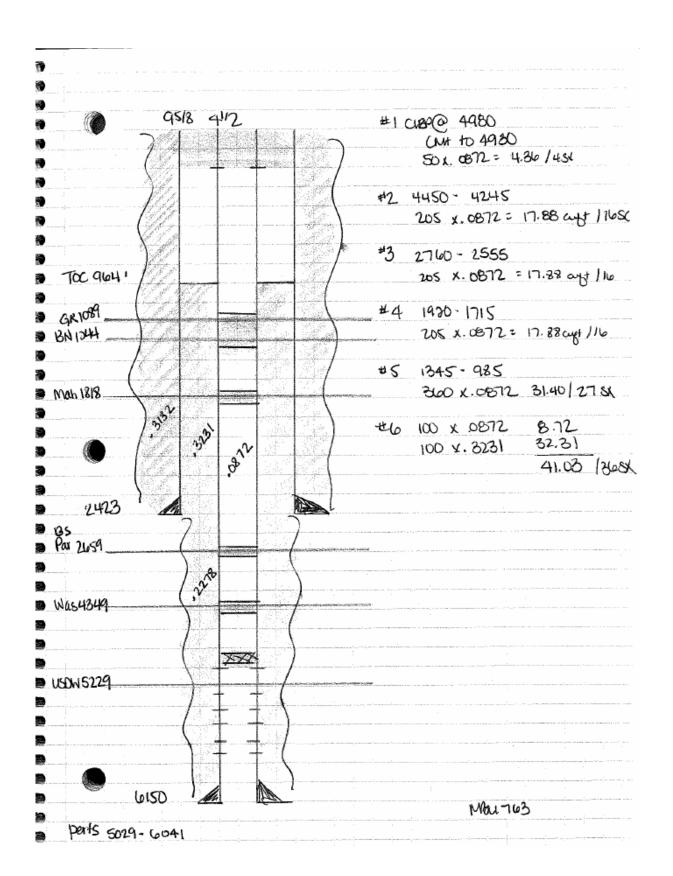
#### **PROCEDURE**

Note: An estimated 115 sx Class "G" cement needed for procedure

Note: No gyro has been run as of 11/4/10

- MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
- 2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL AND PREP FOR GYRO.
- 3. RUN GYRO SURVEY.
- 4. PLUG #1, ISOLATE WASATCH PERFORATIONS (5029' 6041') & BASE OF USDW (~5229'): RIH W/ 4 ½" CIBP. SET @ ~4980'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 4 SX / 0.8 BBL / 4.36 CUFT. ON TOP OF PLUG. PUH ABOVE TOC (~4930'). REVERSE CIRCULATE W/ TREATED BRINE.
- 5. PLUG #2, PROTECT TOP OF WASATCH (~4349'): PUH TO ~4450'. BRK CIRC W/ FRESH WATER. DISPLACE 16 SX / 3.2 BBL / 17.88 CUFT AND BALANCE PLUG W/ TOC @ ~4245' (205' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.
- 6. PLUG #3, PROTECT BASE OF PARACHUTE (2659'): PUH TO ~2760'. BRK CIRC W/ FRESH WATER. DISPLACE 16 SX / 3.2 BBL / 17.88 CUFT AND BALANCE PLUG W/ TOC @ ~2555' (205' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.
- 7. PLUG #4, PROTECT TOP OF MAHOGANY (1818'): PUH TO ~1920'. BRK CIRC W/ FRESH WATER. DISPLACE 16 SX / 3.2 BBL / 17.88 CUFT AND BALANCE PLUG W/ TOC @ ~1715' (205' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.
- 8. PLUG #5, PROTECT TOP OF BIRD'S NEST (~1244') & TOP OF GREEN RIVER (1089'): PUH TO ~1345'. BRK CIRC W/ FRESH WATER. DISPLACE 27 SX / 5.6 BBL / 31.40 CUFT AND BALANCE PLUG W/ TOC @ ~985' (360' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.
- 9. PLUG #6, SURFACE HOLE: POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ 100' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP 36 SX / 7.3 BBL / 41.03 CUFT OR SUFFICIENT VOLUME TO FILL ANNULUS AND CASING TO SURFACE.
- 10. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
- 11. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM 11/4/10



Sundry Number: 14733 API Well Number: 43047383320000

	FORM 9				
STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES  DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: ML 22792		
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES		
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: NBU 763-19E		
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.			9. API NUMBER: 43047383320000		
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 PHONE NUMBER: 720 929-6515 Ext			9. FIELD and POOL or WILDCAT: NATURAL BUTTES		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1258 FSL 1388 FFL			COUNTY: UINTAH		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 19 Township: 10.0S Range: 21.0E Meridian: S			STATE: UTAH		
11. CHEC	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT,	OR OTHER DATA		
TYPE OF SUBMISSION		TYPE OF ACTION			
	☐ ACIDIZE	☐ ALTER CASING	CASING REPAIR		
NOTICE OF INTENT Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME		
	CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE		
✓ SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
4/11/2011	OPERATOR CHANGE	PLUG AND ABANDON	☐ PLUG BACK		
SPUD REPORT	✓ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL		
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION		
	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 04/11/2011.  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY					
NAME (PLEASE PRINT) Sheila Wopsock	<b>PHONE NUMBE</b> 435 781-7024	Regulatory Analyst			
SIGNATURE N/A		<b>DATE</b> 5/3/2011			